



April 16, 2020

Mr. Bryan Keyt  
Partner

Bryan Cave Leighton, Paisner LLP  
161 North Clark Street, Suite 4300  
Chicago, Illinois 60601

**PRIVILEGED AND CONFIDENTIAL**

**RE: Asbestos Containing Material Survey  
Old Crawford Power Plant – Stack  
35<sup>th</sup> and Pulaski, Chicago Illinois 60632**

Dear Mr. Keyt:

Weaver Consultants Group North Central, LLC (WCG) was retained by Bryan Cave Leighton Paisner, LLP to conduct an asbestos containing material (ACM) survey at the Old Crawford Power Plant located at 35<sup>th</sup> and Pulaski in Chicago, Illinois. The survey was limited to the existing remaining stack and associated stack debris located on the southern portion of the site. The stack was razed on April 11, 2020.

The site inspection was conducted on April 14, 2020 by Mr. Cody R. McNeely and Mr. David J. Kedrowski, CIH, both Illinois Department of Public Health (IDPH) licensed Asbestos Building Inspectors (IDPH 100-10639 and IDPH 100-04543 respectively).

**METHODOLOGY**

Nine (9) samples were collected from suspect asbestos containing materials associated with the stack. These materials included stack insulation, stack gaskets and stack concrete. All bulk samples were collected based on methods described in U.S. Environmental Protection Agency (USEPA) regulations for assessing materials prior to demolition. The samples were collected and stored in sample bags with a unique sample identification number and a chain of custody (COC) form was signed and dated by the inspector, the delivering representative, and the laboratory representative who received the samples.

Samples were submitted to TEM Environmental, Inc. (TEM) located in Glendale Heights, Illinois for analysis under Polarized Light Microscopy (PLM) using USEPA Method 600/R-93/116, July 1993. TEM is accredited under the National Voluntary Laboratory

Accreditation Program (NVLAP) established by the National Institute of Standards and Technology (NIST) to conduct PLM analysis, Lab ID 101130-0.

A list of materials identified and sampled during the inspection is presented in Table I of Appendix A, laboratory report with sample chain of custody documentation may be found in Appendix B, and inspector license and certificate may be found in Appendix C and representative photographs in Appendix D.

## **CONCLUSIONS AND RECOMMENDATIONS**

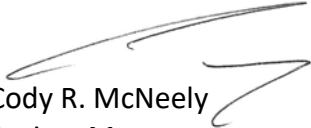
Based on the survey results, WCG concludes the following:

- Laboratory results revealed that the suspect materials associated with the stack and stack debris including stack insulation, stack gaskets and stack concrete are not asbestos containing materials as defined by the EPA, IDPH or OSHA.


Should you have any questions or comments concerning this survey, please do not hesitate to contact us at 312.922.1030. Thank you again for the opportunity to assist Bryan Cave Leighton Paisner, LLP on this important project.

Sincerely,

**Weaver Consultants Group North Central, LLC**



Cody R. McNeely  
Project Manager



David J. Kedrowski, CIH  
Principal

## APPENDIX A – Table I

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**Table I – Summary of Asbestos Sample Results  
Old Crawford Power Plant – Stack  
35<sup>th</sup> and Pulaski, Chicago, Illinois**

SAMPLE NUMBER	MATERIAL DESCRIPTION	LABORATORY RESULT (PLM)
<b>DK041420-01,02,03</b>	<b>Wool Insulation – Stack</b>	<b>None Detected</b>
<b>DK041420-04,05,06</b>	<b>Gasket Material – Stack</b>	<b>None Detected</b>
<b>DK041420-07,08,09</b>	<b>Concrete - Stack</b>	<b>None Detected</b>

The Occupational Safety and Health Administration (OSHA), IDPH, and USEPA define an asbestos containing material as any material containing greater than 1 percent asbestos.

**Bold indicates greater than 1% ACM**

## **APPENDIX B – Laboratory Report**

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**LABORATORY REPORT**  
**BULK SAMPLE ASBESTOS EVALUATION BY**  
**POLARIZED LIGHT MICROSCOPY METHOD**

<b>Client:</b> Weaver Consultants Group			<b>Project Location:</b>					
<b>Contact</b> Dave Kedrowski			<b>Project Reference:</b>					
<b>Address:</b> 35 E. Wacker Drive, Suite 1250			<b>TEM Project:</b> 60201					
Chicago Illinois 60601-			<b>Analyzed by:</b> Lori Boersma					
			<b>Date Analyzed:</b> 4/15/2020					
Sample Information			Asbestos Present		Fibrous Materials		Non-Fibrous Materials	
Client Sample ID	Lab ID	Color			Asbestos Fibers		Non-Asbestos Fibers	
Description			Type	Percent	Type	Percent	Filler	Binder
DK041420-01 Wool Insulation (Stack)	382094	White	None Detected	-	-	-	Glass:	90-100
DK041420-02 Wool Insulation (Stack)	382095	White	None Detected	-	-	-	Glass:	90-100
DK041420-03 Wool Insulation (Stack)	382096	White	None Detected	-	-	-	Glass:	90-100
DK041420-04 Gasket (Stack)	382097	Black	None Detected	-	-	Cellulose:	30-40	60-70
DK041420-05 Gasket (Stack)	382098	Black	None Detected	-	-	Cellulose:	30-40	60-70
DK041420-06 Gasket (Stack)	382099	Black	None Detected	-	-	Cellulose:	30-40	60-70
DK041420-07 Concrete (Stack)	382100	Gray	None Detected	-	-	-	-	90-100
DK041420-08 Concrete (Stack)	382101	Gray	None Detected	-	-	-	-	90-100

**LABORATORY REPORT**  
**BULK SAMPLE ASBESTOS EVALUATION BY**  
**POLARIZED LIGHT MICROSCOPY METHOD**

<b>Client:</b>	Weaver Consultants Group			<b>Project Location:</b>		
<b>Contact:</b>	Dave Kedrowski			<b>Project Reference:</b>		
<b>Address:</b>	35 E. Wacker Drive, Suite 1250 Chicago Illinois 60601-			<b>TEM Project:</b> 60201		
				<b>Analyzed by:</b> Lori Boersma		
				<b>Date Analyzed:</b> 4/15/2020		
Sample Information			Asbestos Present	Fibrous Materials		Non-Fibrous Materials
Client Sample ID	Lab ID	Color		Asbestos Fibers	Non-Asbestos Fibers	
Description				Type	Type	Filler Binder
DK041420-09 Concrete (Stack)	382102	Gray	None Detected	-	-	90-100

Samples are analyzed following the procedures contained in the USEPA Method 600/R-93/116 July 1993. This report applies only to samples analyzed. This report may not be reproduced except in full and with the approval of TEM Environmental, Inc. This report may not be used by the client to claim product endorsement by NVLAP or any agency of the US government. An estimate of the laboratory uncertainty is available upon request.

SLM: Certain samples may warrant additional analysis beyond the standard USEPA Polarized Light Microscopy method. 1) Further testing using the point count method is recommended for friable samples found to contain less than 10% asbestos by PLM to confirm that the samples are in fact regulated asbestos containing materials (RACM) as defined by the USEPA NESHAP Regulation. 2) The optical resolution of a polarized light microscope limits the size of fibers that are visible. In cases where very small fibers may be present, such as in samples of floor tiles, vermiculite or certain construction adhesives, the result of the PLM analysis is not conclusive when the sample is reported as "None Detected" or "Trace". Further testing using transmission electron microscopy is recommended in those cases where samples may contain very small fibers which may be smaller than the resolution limit of a polarized light microscope. All such services are available for an additional fee.

Analytical services provided are subject to the Terms and Conditions listed on our website.

Report Approved by:



# CHAIN OF CUSTODY FORM

[illegible]

\*All 6HR samples must be submitted before 11:00 AM

By submitting this Chain of Custody, you are agreeing to the Terms and Conditions found on our website

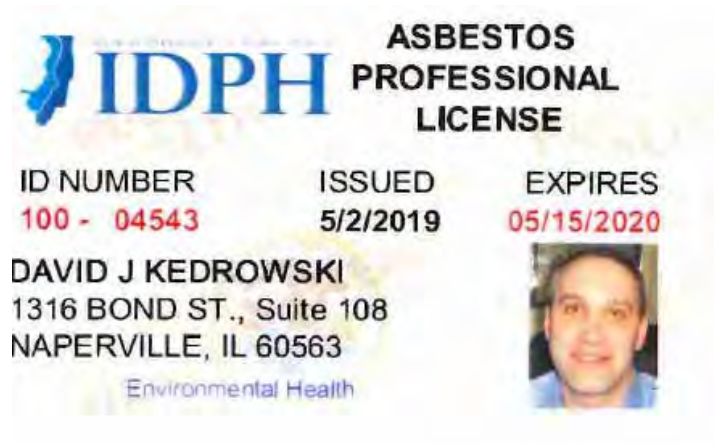


## **APPENDIX C – Credentials**

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# David J. Kedrowski, CIH

Illinois Licensed Asbestos Inspector, Project Designer,  
Management Planner, Project Manager, and Air  
Sampling Professional



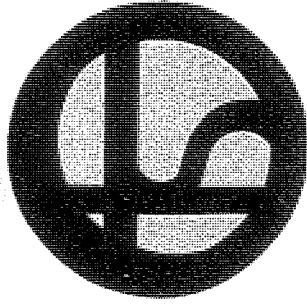
## ENDORSEMENTS

## TC EXPIRES

INSPECTOR	3/8/2020
PROJECT DESIGNER	11/29/2019
MANAGEMENT PLANNER	4/23/2020
PROJECT MANAGER	3/1/2020
AIR SAMPLING PROFESSIONAL	

**Alteration of this license shall result in legal action**  
This license issued under authority of the State of Illinois  
Department of Public Health  
This license is valid only when accompanied by a valid  
training course certificate.

2020



**OCCUPATIONAL TRAINING & SUPPLY, INC.**

7233 S. Adams Street | Willowbrook, IL 60527 | (630) 655-3900 | [www.otssafety.com](http://www.otssafety.com)

# Asbestos Building Inspector Refresher

Occupational Training & Supply, Inc. certifies that

**David Kedrowski**

has successfully completed the Asbestos Building Inspector Refresher course and has passed the competency exam with a minimum score of 70%. The course is accredited by the Illinois Department of Public Health and Indiana Department of Environmental Management for purposes of accreditation in accordance with EPA 40 CFR 763, Asbestos Hazard Emergency response Act (AHERA) and TSCA Title II.

Course Date: 3/6/2020

Exam Date: 3/6/2020

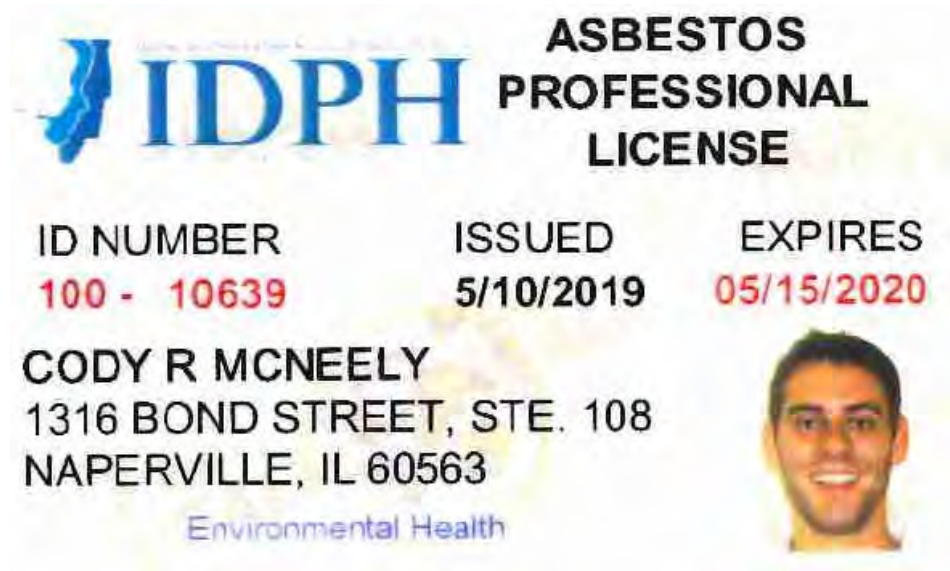
Expiration Date: 3/6/2021

Certificate Number: BIR2003061105

Kathy DeSalvo, Director

# Cody McNeely

Illinois Licensed Asbestos Inspector, Project Manager, and Air Sampling Professional



## ENDORSEMENTS

## TC EXPIRES

INSPECTOR

11/20/2019

PROJECT MANAGER  
AIR SAMPLING PROFESSIONAL

4/5/2020

**Alteration of this license shall result in legal action**  
This license issued under authority of the State of Illinois  
Department of Public Health  
This license is valid only when accompanied by a valid  
training course certificate.

2019



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Course Date: 11/19/2019

Exam Date: 11/19/2019

Expiration Date: 11/19/2020

Certificate Number: BIR1911192397

Kathy DeSalvo, Director



## APPENDIX D- Representative Photographs

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View of downed stack facing West



View of downed stack facing East



Suspect material – Wool Insulation



Suspect Material - Gasket



Suspect Material – Stack Concrete



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## Community Information

The United States Environmental Protection Agency set up 7 dust trackers on Monday to measure the air pollutants (or particulate matter PM 2.5 and PM 10.) No sustained readings were above the national air quality ambient standard threshold. [See the map of air quality monitoring locations.](#)

Put simply, the quality of outdoor air was not at levels considered to be unsafe for human health in the days following the implosion. This is consistent with area Illinois Environmental Protection Agency (IEPA) air monitors that were operating in the area before the demolition.

Additionally, no asbestos was detected in the 14 samples from car windshields in the area, after the implosion. (10 samples were collected from North of the Crawford site; 2 West of the site; and 2 South of the site. [See link to map of sampling.](#)) The City of Chicago also installed 4 SUMMA air canisters near the site ([see map of locations](#)) to capture point in time data and detected no particulates. City of Chicago will be installing purple air monitors in the area as well, following the finalization of location prioritization and access agreements.

The US EPA, Illinois EPA and City of Chicago will continue to work together to do monitoring and testing in the coming days and provide updates here. All Chicago Department of Public Health testing data was provided by an outside laboratory and is currently being verified by another third party.

[Dust Sampling Site Locations](#)

[Dust Tracker Locations](#)

[SUMMA Canisters](#)



City of Chicago



CITY OF CHICAGO • OFFICE OF THE MAYOR



**FOR IMMEDIATE RELEASE**

April 27, 2020

**CONTACT:**

Mayor's Press Office

312.744.3334

[press@cityofchicago.org](mailto:press@cityofchicago.org)

**MAYOR LORI LIGHTFOOT AND CHICAGO DEPARTMENT OF PUBLIC HEALTH RELEASE  
TEST RESULTS FROM SAMPLES COLLECTED AT FORMER CRAWFORD GENERATING  
STATION**

*Validated environmental results confirm no asbestos in dust emitted from implosion of  
smokestack; Air quality remains within EPA standards*

CHICAGO – Mayor Lori E. Lightfoot today joined Commissioner of the Chicago Department of Public Health, Allison Arwady, M.D., in releasing validated test results from samples taken to monitor environmental impact from the smokestack implosion at the former Crawford Generating Station on April 11, 2020. Testing was conducted by two governmental agencies – the Chicago Department of Public Health (CDPH) and the United States Environmental Protection Agency (US EPA), and CDPH's data has been validated by a non-governmental agency. Officials believe the test results, which included analysis of particulate matter, dust composition, building debris and soil composition, show that there is no apparent health risk to the surrounding community.

"The health and safety of Chicago's residents in all of its 77 neighborhoods remains our top priority during these unprecedented times, which includes accounting for environmental wellness throughout our city," said Mayor Lightfoot. "Since the beginning, my administration has been committed to creating a Chicago that is more environmentally sound for all of its residents, particularly those most vulnerable and who have been neglected for far too long. We remain committed to maintaining the health and wellness of Chicagoans, and conducting these tests were crucial to our understanding of what the environmental and health implications of the incident are for residents in the nearby community."

On April 11, CDPH collected 14 neighborhood dust wipe samples, which were tested for asbestos and metals – including lead, cadmium, selenium, nickel and zinc, chromium and arsenic. CDPH also tested soil samples on April 13 for the presence of asbestos, polynuclear aromatics (PNAs), semi-volatile organic compounds, PCBs, pesticides and inorganics. SUMMA canisters that are used for air sampling were installed by CDPH on April 14 and looked at organic compounds and dust particles, with additional air monitors being installed to account for sustained readings over the next several weeks.

Air quality tests conducted by CDPH and the US EPA, published today, show no particulate levels considered to be unsafe for human health, per US EPA standards. Specifically, the US EPA measured particulate matter (PM) 2.5 and PM 10, and found no sustained readings



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were above the national air quality ambient standard threshold. SUMMA canister air tests did reveal low levels of volatile organic compounds (VOC's), and CDPH is currently reviewing these results with experts to better understand potential sources and impacts while comparing them to background levels found in the air, both in Little Village and across the city. CDPH and US EPA will continue to sample, monitor and publish data on an ongoing basis to track any changes in air quality.

"We are committed to protecting the health and wellness of all Chicagoans, and it was imperative that my team conduct a robust investigation into the samples they were able to collect onsite to better understand the health implications of this event," said Dr. Arwady. "Based on the validated results that we are publishing today we have no reason to believe the implosion emitted additional toxic materials into the surrounding community, but the department remains committed to continue ongoing tests of the site to monitor these levels."

The settled dust composition was tested by CDPH with additional analysis and validation conducted through a non-governmental agency. Based on the nature of the former Crawford Station site, testing for lead and arsenic was made a priority, and no asbestos was detected in the samples collected from the area where the dust cloud settled. The samples were also tested for inorganic materials and metals, and while small concentrations of lead and barium were found in the dust, health experts determined that the levels found do not present an apparent health risk to residents.

Soil samples were collected from around the site of the former smokestack, and composition testing was conducted by CDPH that were also analyzed and validated by an outside party. Results revealed metals in the form of arsenic, barium, lead and mercury, consistent with expectations of the site, as well as with background levels found in soil throughout the city. Health professionals believe these levels do not currently pose a material health risk to the surrounding community. These substances are part of the Illinois Environmental Protection Agency's (IEPA) overall cleanup oversight through the IEPA's Site Remediation Program which began in 2018 and will continue until future buildings, roads and grassy areas are installed. The project on remediation can be tracked [here](#).

CDPH will continue to actively monitor the site and take samples, while also dispatching an environmental consultant who will thoroughly inspect the site for any additional environmental issues. The developer and its subcontractors have been issued 16 citations that resulted in fines totaling \$68,000 for the incident, and following robust conversations and collaboration with City leadership announced additional efforts to assist and support residents in the surrounding area.

All structural demolition activity remains on hold at the Crawford site while the clean-up efforts take place. Due to the dilapidated nature of the site, DOB will continue working with the developer to determine the immediate next steps to help ensure the safety of the site and prevent work site incidents.



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Mayor Lightfoot has also implemented a six-month moratorium on implosion demolitions citywide, pending the creation of a specific implosion permitting process with updated guidelines. For more information, and to view the testing results, please visit [chicago.gov/crawfordstationresponse](https://chicago.gov/crawfordstationresponse).

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\* An official website of the City of Chicago [Here's how you know](#)



[Home](#) / Community Information

# Community Information

Crawford Station Response

Crawford Station Response (S...

We understand Chicagoans in every neighborhood are concerned about air quality, especially in communities with a history of industrial activity, like Little Village. The City of Chicago is committed to keeping residents safe and healthy and will hold anyone violating clean air laws accountable. That is why we are working in partnership with US Environmental Protection Agency and Illinois Environmental Protection Agency to monitor air quality and dust in the area of the Crawford Site, both after the implosion of the Crawford smokestack and until all demolition of the Crawford site buildings is complete.

Testing of air, dust and soil was conducted by two governmental agencies following the demolition by implosion:

- Chicago Department of Public Health (CDPH)
- US Environmental Protection Agency (US EPA)

## Test results showed the following:

Air Quality – Particulate Matter	Settled Dust Composition	Crawford Site Soil Composition
<p>Testing done by CDPH and the US EPA.</p> <p>The quality of outdoor air was not at levels considered to be unsafe for human health in the days following the implosion, per the US EPA.</p> <p>More specifically, the Illinois ambient network (i.e., the air monitoring network maintained by the Illinois EPA) and the USEPA trackers indicate that there were no PM NAAQS (National Ambient Air Quality Standard) violations during or since the event. US EPA measured for particulate matter (PM 2.5 and PM 10). <a href="#">Learn more about the NAAQS here.</a> See daily reports from US EPA dust monitors <a href="#">here</a>. To learn more about the US EPA’s past and ongoing work in Chicago’s Little Village neighborhood, please visit the <a href="#">US EPA website</a>.</p> <p>SUMMA canisters installed by CDPH detected low levels of volatile organic compounds (VOC’s) and we are</p>	<p>Testing done by CDPH. Analysis and validation by a non-governmental third-party agency.</p> <p>No asbestos was detected in dust samples taken in the vicinity of the dust cloud.</p> <p>This is consistent with our expectations. The smokestack was sampled well before the implosion to confirm there was no asbestos present, and also after the implosion which further confirmed that there was no detection of asbestos. That information is also consistent with the results of the wipe samples that were taken, which likewise did not detect asbestos.</p> <p>Small concentrations of metals (lead and barium) were found in dust samples taken in the vicinity of the dust cloud, at levels that pose little health risk to residents. (See “What</p>	<p>Testing done by CDPH. Analysis and validation by a non-governmental third-party agency.</p> <p>Metals (lead, barium and arsenic) and Polychlorinated Biphenyls (PCBs) were found in soil samples taken from near the stack consistent with expectations for this kind of site.</p>

reviewing these results with experts to better understand potential sources and impacts and compare to background levels found in the air, both in Little Village and across the city.	The Test Results Are And What They Mean” section for more information about this)	
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CDPH will continue to monitor the site and perform sampling. The metals and PCBs are part of IEPA’s overall cleanup oversight through the IEPA’s Site Remediation Program. This work started in 2018 and will continue until future buildings, roads and grassy areas are installed. The public can track the project on the [IEPA Site Remediation Program here](#). Search for “Crawford Station” in the Site Name Filter Box.

*(Please note that additional testing and analysis will be conducted by US EPA and Chicago Department of Public Health in the coming days and updates will be shared here when available. Air and dust monitoring will continue throughout the demolition phase.)*

More Information

Click on the links below to learn more about what was tested, where samples were taken from, what results we found and what it means.

<a href="#">What We Tested</a>	—
Dust samples collected from windshields were tested for asbestos and seven heavy metals (arsenic, barium, cadmium, chromium, lead, selenium and silver). Mercury was excluded because not enough sample was available to test.  Soil samples taken from around the site of the smokestack were tested for semi-volatile organic compounds, polychlorinated biphenyls (PCBs), pesticides, metals, mercury, cyanide and asbestos.  Air samples taken from the North side of the site were tested for particulate matter and volatile organic compounds.  Building Debris sample of galvanized siding that was removed by the developer from the exterior of an adjacent building prior to the smokestack demolition was tested for asbestos and polychlorinated biphenyls (PCBs).	
<a href="#">Where We Took Samples</a>	+
<a href="#">What We Were Looking For</a>	+
<a href="#">What the Test Results Are And What They Mean</a>	+
<a href="#">How To Reduce Your Family's Exposure to Dust</a>	+





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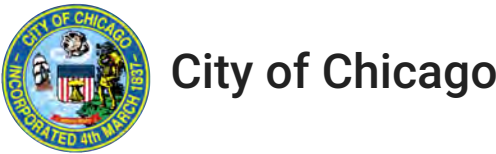
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<a href="#">What We Tested</a>	+
<a href="#">Where We Took Samples</a>	–
US Environmental Protection Agency Dust Trackers Measuring Particulate Matter PM 2.5 and PM 10 <a href="#">Map</a> Chicago Department of Public Health Settled Dust Samples <a href="#">Map</a> Chicago Department of Public Health SUMMA Canisters <a href="#">Map</a>	
<a href="#">What We Were Looking For</a>	+
<a href="#">What the Test Results Are And What They Mean</a>	+
<a href="#">How To Reduce Your Family’s Exposure to Dust</a>	+





reviewing these results with experts to better understand potential sources and impacts and compare to background levels found in the air, both in Little Village and across the city.	The Test Results Are And What They Mean” section for more information about this)	
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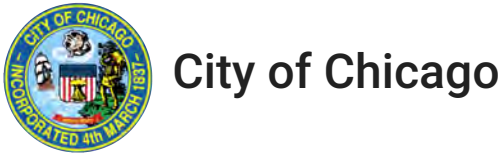
CDPH will continue to monitor the site and perform sampling. The metals and PCBs are part of IEPA’s overall cleanup oversight through the IEPA’s Site Remediation Program. This work started in 2018 and will continue until future buildings, roads and grassy areas are installed. The public can track the project on the [IEPA Site Remediation Program here](#). Search for “Crawford Station” in the Site Name Filter Box.

*(Please note that additional testing and analysis will be conducted by US EPA and Chicago Department of Public Health in the coming days and updates will be shared here when available. Air and dust monitoring will continue throughout the demolition phase.)*

More Information

Click on the links below to learn more about what was tested, where samples were taken from, what results we found and what it means.

<a href="#">What We Tested</a>	+
<a href="#">Where We Took Samples</a>	+
<a href="#">What We Were Looking For</a>	–
<p>We tested for substances most likely to be found at the site that pose the greatest health risks. The following are substances that were detected in some of our samples.</p> <p><a href="#">Asbestos</a> is a mineral fiber used in manufactured goods including building materials like roofing, siding and insulation. When asbestos containing material is disturbed, the fibers can be released into the air. Exposure to asbestos over time can lead to lung disease and cancer. The main building of the site was known to have asbestos, which was abated prior to demolition.</p> <p><a href="#">Arsenic</a> occurs naturally in soil, and inorganic arsenic compounds are used to pressure treat wood. Exposure to low levels can lead to skin irritation, sore throat, circulatory issues, dizziness and nausea.</p> <p><a href="#">Barium</a> compounds are used to make paint, bricks, ceramics, glass, and rubber and can be released from the burning of coal and oil. Ingestion of barium above levels normally found in water and food can cause short term gastrointestinal issues and muscle weakness.</p> <p><a href="#">Lead</a> can be found in soil, air and water. It is found in old lead-based paint and is a product of coal combustion. Exposure to lead in young children can result in behavioral and development problems.</p> <p><a href="#">Mercury</a> is produced by the burning of oil and coal. People are most often exposed to mercury through consumption of contaminated fish and shellfish. Exposure at high levels can harm the brain, heart, kidneys, lungs, and immune system.</p> <p><a href="#">Polychlorinated Biphenyls (PCBs)</a> are manmade organic chemicals used in many consumer products such as plastics, caulking, adhesives, paint and motor oil until their use was banned in 1979. Improper disposal and handling of PCB containing waste can lead to exposure. PCBs are probable human carcinogens and can also affect the immune, reproductive, neurological and endocrine systems.</p> <p><a href="#">Particulate Matter</a> is a mixture of solid particles and liquid droplets found in the air. They can come from construction sites, unpaved roads, fields, smokestacks, fires or power plants, industries and automobiles. Particulate matter contains microscopic solids or liquid droplets that are so small that they can be inhaled and cause serious health problems. Some particles less than 2.5 micrometers in diameter, also known as fine particles or PM2.5, pose the greatest risk to health. The dust cloud produced by the demolition was particulate matter.</p>	
<a href="#">What the Test Results Are And What They Mean</a>	+
<a href="#">How To Reduce Your Family's Exposure to Dust</a>	+



reviewing these results with experts to better understand potential sources and impacts and compare to background levels found in the air, both in Little Village and across the city.

The Test Results Are And What They Mean” section for more information about this)

CDPH will continue to monitor the site and perform sampling. The metals and PCBs are part of IEPA’s overall cleanup oversight through the IEPA’s Site Remediation Program. This work started in 2018 and will continue until future buildings, roads and grassy areas are installed. The public can track the project on the [IEPA Site Remediation Program here](#). Search for “Crawford Station” in the Site Name Filter Box.

(Please note that additional testing and analysis will be conducted by US EPA and Chicago Department of Public Health in the coming days and updates will be shared here when available. Air and dust monitoring will continue throughout the demolition phase.)

More Information

Click on the links below to learn more about what was tested, where samples were taken from, what results we found and what it means.

[What We Tested](#)

+

[Where We Took Samples](#)

+

[What We Were Looking For](#)

+

[What the Test Results Are And What They Mean](#)

-

DUST

Half of the dust samples taken in the vicinity of the Crawford Site, and in the direct path of the dust cloud, contained small amounts of lead and all of the samples contained small amounts of barium. *These amounts are very low and pose little health risk to residents.* For reference, the US EPA standard for lead in bare soil in residential play areas is 400 ppm. There is no dust or soil standard for barium, but it is found in most soils in concentrations between 15 and 3,500 ppm. *No other metals or asbestos were detected.*

- [Dust Metals Report](#)
- [Dust Metals Report](#)

Substance	Results Range in PPM	# Samples Taken	# Samples Substance Present
Barium	3.5 - 18	14	14
Lead	2.7 - 10	14	7
Arsenic	Not Detected	14	0
Asbestos	Not Detected	14	0
Cadmium	Not Detected	14	0
Chromium	Not Detected	14	0
Selenium	Not Detected	14	0
Silver	Not Detected	14	0

SOIL

All soil samples contained arsenic, barium, lead and mercury. Some samples contained PCBs and PAHs. This is not unexpected, given the historical use of the site and is consistent with background levels found in soil across the City. The soil on the site does not currently pose an immediate health risk to residents. CDPH will conduct additional soil testing with the assistance of an environmental consultant.

- [Soil Report](#)

Substance	Results range in PPM	# Samples Taken	# Samples Substance Present	Citywide soil study* results Range in PPM	# Samples Taken	# Samples Taken
Arsenic	3.6 - 170	10	10	< 10 - 220	57	47
Barium	230 - 420	10	10	100 - 697	57	57
Lead	90- 3500	10	10	13 - 1910	57	57
Mercury	0.076 - 0.26	10	10	<0.02 - 13.1	57	56

PPM means parts per million

\*Source: USGS Water Resources Investigations Report 03-4105

AIR

^

SUMMA canisters detected low levels of some VOCs, and we are reviewing these results with experts to better understand potential sources and impacts and compare to background levels found in the air, both in Little Village and across the city. Nearby air monitors did not detect particulates in the air. CDPH and US EPA will continue to sample and monitor air quality and publish data on an ongoing basis to track any changes.

- [Dust Particles Report](#)
- [Air VOCs Report](#)

BUILDING DEBRIS

While the main building was not involved in the implosion, we did test some additional building materials on-site. Asbestos and one type of PCB were present. The asbestos material is non-friable, meaning that it cannot be broken apart and the fibers are not at risk of becoming airborne. Because of this, there is very little to no health risk to residents. The developer will be required to properly abate, remove and dispose of the materials.

- [Building Debris Asbestos Report](#)
- [Building Debris PCB Report](#)

[How To Reduce Your Family's Exposure to Dust](#) +



City of Chicago



reviewing these results with experts to better understand potential sources and impacts and compare to background levels found in the air, both in Little Village and across the city.	The Test Results Are And What They Mean” section for more information about this)	
--	---	--

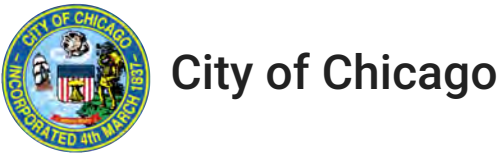
CDPH will continue to monitor the site and perform sampling. The metals and PCBs are part of IEPA’s overall cleanup oversight through the IEPA’s Site Remediation Program. This work started in 2018 and will continue until future buildings, roads and grassy areas are installed. The public can track the project on the [IEPA Site Remediation Program here](#). Search for “Crawford Station” in the Site Name Filter Box.

*(Please note that additional testing and analysis will be conducted by US EPA and Chicago Department of Public Health in the coming days and updates will be shared here when available. Air and dust monitoring will continue throughout the demolition phase.)*

More Information

Click on the links below to learn more about what was tested, where samples were taken from, what results we found and what it means.

<a href="#">What We Tested</a>	+
<a href="#">Where We Took Samples</a>	+
<a href="#">What We Were Looking For</a>	+
<a href="#">What the Test Results Are And What They Mean</a>	+
<a href="#">How To Reduce Your Family’s Exposure to Dust</a>	–
<p>The dust, or soil contaminated with this dust, may get into your home. Like any dust, it can settle on the floors, counters and other items, including children’s toys. Here are a number of ways everyone can reduce their exposure within their homes:</p> <ul style="list-style-type: none"><li>• Regularly wet-mop floors and wipe down counters and window sills using a household cleaner. Do not use bleach.</li><li>• Avoid dry sweeping – this will spread dust.</li><li>• Wash children’s hands after they come in from playing outside and before eating.</li><li>• Regularly clean your children’s toys – use warm soapy water, then rinse thoroughly.</li><li>• Use a doormat and remove your shoes before entering your home.</li><li>• Consider keeping your windows closed on very dry and windy days when dust is visible.</li></ul> <p>To learn more, see our Get the Facts: Demolition Dust fact sheet in <a href="#">English</a> and <a href="#">Spanish</a>.</p>	



# STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

April 15, 2020

Carnow, Conibear, & Associates  
600 W. Van Buren Street  
Chicago, IL 60607

Telephone: (312) 782-4486  
Fax: (312) 782-5145

Analytical Report for STAT Work Order: 20040368 Revision 0

RE: SET City of Chicago, North of Crawford Stn., 33rd Pulaski, Chicago, IL

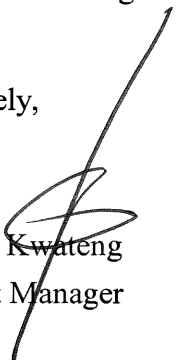
Dear Carnow, Conibear, & Associates:

STAT Analysis received 5 samples for the referenced project on 4/14/2020 4:30:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

  
Justice Kwateng  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples as received and tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

---

**Client:** Carnow, Conibear, & Associates**Project:** SET City of Chicago, North of Crawford Stn., 33rd Pul**Work Order:** 20040368 Revision 0**Work Order Sample Summary**

---

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
20040368-001A	01	600 L	4/14/2020 11:18:00 AM	4/14/2020
20040368-002A	02	600 L	4/14/2020 11:23:00 AM	4/14/2020
20040368-003A	03	600 L	4/14/2020 11:38:00 AM	4/14/2020
20040368-004A	04	600 L	4/14/2020 11:48:00 AM	4/14/2020
20040368-005A	05		4/14/2020	4/14/2020

**STAT Analysis Corporation**

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: April 15, 2020

Date Printed: April 15, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Project: SET City of Chicago, North of Crawford Stn., 33rd Pulas Work Order: 20040368 Revision 0

Lab ID: 20040368-001

Collection Date: 4/14/2020 11:18:00 AM

Client Sample ID 01

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Particulates in Air

NIOSH0500

Prep Date: 4/15/2020

Analyst: FN

Particulates in Air

ND

0.33

mg/m<sup>3</sup>

1

4/15/2020

Lab ID: 20040368-002

Collection Date: 4/14/2020 11:23:00 AM

Client Sample ID 02

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulates in Air

NIOSH0500

Prep Date: 4/15/2020

Analyst: FN

Particulates in Air

ND

0.33

mg/m<sup>3</sup>

1

4/15/2020

Lab ID: 20040368-003

Collection Date: 4/14/2020 11:38:00 AM

Client Sample ID 03

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Particulates in Air

NIOSH0500

Prep Date: 4/15/2020

Analyst: FN

Particulates in Air

ND

0.33

mg/m<sup>3</sup>

1

4/15/2020

Lab ID: 20040368-004

Collection Date: 4/14/2020 11:48:00 AM

Client Sample ID 04

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Particulates in Air

NIOSH0500

Prep Date: 4/15/2020

Analyst: FN

Particulates in Air

ND

0.33

mg/m<sup>3</sup>

1

4/15/2020

Lab ID: 20040368-005

Collection Date: 4/14/2020

Client Sample ID 05

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Particulates in Air

NIOSH0500

Prep Date: 4/15/2020

Analyst: FN

Particulates in Air

ND

0.20

mg/filter

1

4/15/2020

**Qualifiers:**ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameterRL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded



## CHAIN OF CUSTODY RECORD

N<sup>o</sup>: 927837

Page: 1 of 1

Company: CCA		Project Number: SET City of Chicago Client Tracking No.:					
Project Name: 11		Project Location: North of Cleveland St. 33 <sup>rd</sup> Pulaski Chicago IL					
Sampler(s): Robert DeBore		Report To: Rob Harvey					
Phone: (312) 7656-2299		Fax:					
QC Level: 1 2 3 4		e-mail: rharvey@cca1td.com					
Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers
01 N/W CNR Property G253	4/14	11:15a	Concrete				1
02 N/E CNR Property G245		11:23a					1
03 SEC 33 <sup>rd</sup> Pulaski G263		11:38a					1
04 33 <sup>rd</sup> Avers G266		11:46a					1
05 BLANK G262							1
Total Dust							
Additional Information: 3:45am 600L 001							
3:23pm 600L 002							
3:38pm 600L 003							
3:48pm 600L 004							
Blank 005							
Turn Around Time (Days): 1 2 3 4 5 7 10							
Results Needed: / / am/pm							
Quote No.:							
P.O. No.:							
Laboratory Work Order No.: 20040368							
Received on Ice: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							
Temperature: Ambient							
Comments: Samples run @ 2.5 LPM see info for volume							
Please email results to rharvey@cca1td.com							
Relinquished by: (Signature) R DeBore							
Date/Time: 4/14/20 4:06pm							
Received by: (Signature) R L							
Date/Time: 4/14/20 16:13							
Relinquished by: (Signature)							
Date/Time:							
Received by: (Signature)							
Date/Time:							
Relinquished by: (Signature)							
Date/Time:							
Received by: (Signature)							
Date/Time:							

## Sample Receipt Checklist

Client Name CCA

Date and Time Received: 4/14/2020 4:30:00 PM

Work Order Number 20040368

Received by: EAA

Checklist completed by:

Signature *EL*

Date 4/14/20

Reviewed by:

Initials *ADN*

Date 4/15/20

Matrix:

Carrier name Client Delivered

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Checked by:
Water - Samples properly preserved?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted?

Any No response must be detailed in the comments section below.

Comments:

Client / Person contacted:

Date contacted:

Contacted by:

Response:

# STAT Analysis Corporation

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April 15, 2020

Carnow, Conibear, & Associates  
600 W. Van Buren Street  
Chicago, IL 60607

Telephone: (312) 782-4486  
Fax: (312) 782-5145

Analytical Report for STAT Work Order: 20040346 Revision 0

RE: SET - Chicago, Crawford Dust, 3501 S. Pulaski

Dear Carnow, Conibear, & Associates:

STAT Analysis received 4 samples for the referenced project on 4/14/2020 1:00:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAP standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Craig Chawla  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples as received and tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

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**Client:** Carnow, Conibear, & Associates  
**Project:** SET - Chicago, Crawford Dust, 3501 S. Pulaski  
**Work Order:** 20040346 Revision 0

---

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
20040346-001A	60322		4/14/2020 10:45:00 AM	4/14/2020
20040346-002A	60259		4/14/2020 11:20:00 AM	4/14/2020
20040346-003A	60300		4/14/2020 11:45:00 AM	4/14/2020
20040346-004A	60227		4/14/2020 12:00:00 PM	4/14/2020

---

---

**CLIENT:** Carnow, Conibear, & Associates  
**Project:** SET - Chicago, Crawford Dust, 3501 S. Pulaski  
**Work Order:** 20040346 Revision 0

---

**CASE NARRATIVE**

The TO-15 Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) analyzed 04/13/20 had recoveries of the following compounds outside of control limits:

Dichlorodifluoromethane: 149%/136% (LCS/LCSD) recovery (QC limits 70-130%)

Freon-114: 138%/127% (LCS/LCSD) recovery (QC limits 70-130%)

TO-15 results that are reported in  $\mu\text{g}/\text{m}^3$  are calculated based on a temperature of 25°C, atmospheric pressure of 760 mm Hg, and the molecular weight of the analyte.

Total Volatile Organic Compounds (TVOC) were quantitated relative to toluene.

**SPECIAL COMMENTS RELATING TO TENTATIVELY IDENTIFIED COMPOUNDS (TICS):**

Up to 30 Tentatively Identified Compounds (TICs) were identified and reported. TICs were quantitated relative to internal standards, and therefore results are semi-quantitative. Compounds were identified using mass spectral interpretation techniques and a NIST reference library. All identifications were reviewed by an experienced mass spectrometrists but should be considered as tentative identifications because authentic standards were not available for comparison and the method is not specifically validated for these compounds.

TICs for each sample are flagged with a "Z" indicating an estimated concentration and a "\*" indicating a non-accredited parameter.

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: April 15, 2020

Date Printed: April 15, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: 60322

Work Order: 20040346 Revision 0

Collection Date: 4/14/2020 10:45:00 AM

Project: SET - Chicago, Crawford Dust, 3501 S. Pulaski

Matrix: Air

Lab ID: 20040346-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds in Air by GC/MS</b>		<b>TO-15</b>		Prep Date: 4/14/2020		Analyst: MAS
1,1,1-Trichloroethane	ND	0.30		ppbv	1	4/14/2020
1,1,2,2-Tetrachloroethane	ND	0.30		ppbv	1	4/14/2020
1,1,2-Trichloroethane	ND	0.30		ppbv	1	4/14/2020
1,1-Dichloroethane	ND	0.30		ppbv	1	4/14/2020
1,1-Dichloroethene	ND	0.30		ppbv	1	4/14/2020
1,2,4-Trichlorobenzene	ND	0.30		ppbv	1	4/14/2020
1,2,4-Trimethylbenzene	ND	0.30		ppbv	1	4/14/2020
1,2-Dibromoethane	ND	0.30		ppbv	1	4/14/2020
1,2-Dichlorobenzene	ND	0.30		ppbv	1	4/14/2020
1,2-Dichloroethane	ND	0.30		ppbv	1	4/14/2020
1,2-Dichloropropane	ND	0.30		ppbv	1	4/14/2020
1,3,5-Trimethylbenzene	ND	0.30		ppbv	1	4/14/2020
1,3-Butadiene	ND	0.30		ppbv	1	4/14/2020
1,3-Dichlorobenzene	ND	0.30		ppbv	1	4/14/2020
1,4-Dichlorobenzene	ND	0.30		ppbv	1	4/14/2020
1,4-Dioxane	ND	0.75		ppbv	1	4/14/2020
2-Butanone	ND	0.75		ppbv	1	4/14/2020
2-Hexanone	ND	1.5		ppbv	1	4/14/2020
4-Ethyltoluene	ND	0.30		ppbv	1	4/14/2020
4-Methyl-2-pentanone	ND	1.5		ppbv	1	4/14/2020
Acetone	ND	3.0	*	ppbv	1	4/14/2020
Benzene	ND	0.30		ppbv	1	4/14/2020
Benzyl chloride	ND	0.75		ppbv	1	4/14/2020
Bromodichloromethane	ND	0.30		ppbv	1	4/14/2020
Bromoform	ND	0.75		ppbv	1	4/14/2020
Bromomethane	ND	0.75		ppbv	1	4/14/2020
Carbon disulfide	ND	0.30		ppbv	1	4/14/2020
Carbon tetrachloride	ND	0.30		ppbv	1	4/14/2020
Chlorobenzene	ND	0.30		ppbv	1	4/14/2020
Chloroethane	ND	0.30		ppbv	1	4/14/2020
Chloroform	ND	0.30		ppbv	1	4/14/2020
Chloromethane	ND	0.75		ppbv	1	4/14/2020
cis-1,2-Dichloroethene	ND	0.30		ppbv	1	4/14/2020
cis-1,3-Dichloropropene	ND	0.30		ppbv	1	4/14/2020
Cyclohexane	ND	0.30		ppbv	1	4/14/2020
Dibromochloromethane	ND	0.30		ppbv	1	4/14/2020
Dichlorodifluoromethane	0.79	0.30		ppbv	1	4/14/2020
Ethyl acetate	ND	0.75		ppbv	1	4/14/2020

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

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Date Reported: April 15, 2020

Date Printed: April 15, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: 60322

Work Order: 20040346 Revision 0

Collection Date: 4/14/2020 10:45:00 AM

Project: SET - Chicago, Crawford Dust, 3501 S. Pulaski

Matrix: Air

Lab ID: 20040346-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds in Air by GC/MS TO-15</b>						
				Prep Date: 4/14/2020		Analyst: MAS
Ethylbenzene	ND	0.30		ppbv	1	4/14/2020
Freon-113	ND	0.30		ppbv	1	4/14/2020
Freon-114	ND	1.5		ppbv	1	4/14/2020
Heptane	ND	0.30		ppbv	1	4/14/2020
Hexachlorobutadiene	ND	0.30		ppbv	1	4/14/2020
Hexane	ND	0.75		ppbv	1	4/14/2020
Isopropyl Alcohol	ND	1.5		ppbv	1	4/14/2020
m,p-Xylene	ND	0.60		ppbv	1	4/14/2020
Methyl tert-butyl ether	ND	0.30		ppbv	1	4/14/2020
Methylene chloride	ND	3.0		ppbv	1	4/14/2020
Naphthalene	ND	0.30		ppbv	1	4/14/2020
o-Xylene	ND	0.30		ppbv	1	4/14/2020
Propene	ND	3.0		ppbv	1	4/14/2020
Styrene	ND	0.30		ppbv	1	4/14/2020
Tetrachloroethene	0.33	0.30		ppbv	1	4/14/2020
Tetrahydrofuran	ND	0.75		ppbv	1	4/14/2020
Toluene	ND	0.30		ppbv	1	4/14/2020
trans-1,2-Dichloroethene	ND	0.30		ppbv	1	4/14/2020
trans-1,3-Dichloropropene	ND	0.30		ppbv	1	4/14/2020
Trichloroethene	ND	0.30		ppbv	1	4/14/2020
Trichlorofluoromethane	ND	0.30		ppbv	1	4/14/2020
Vinyl acetate	ND	3.0		ppbv	1	4/14/2020
Vinyl chloride	ND	0.30		ppbv	1	4/14/2020
Xylenes, Total	ND	0.90		ppbv	1	4/14/2020
<b>Volatile Organic Compounds in Air by GC/MS TO-15</b>						
				Prep Date: 4/14/2020		Analyst: MAS
Total Volatile Organic Compounds	ND	79	*	ppbv	1	4/14/2020
<b>Volatile Organic Compounds in Air by GC/MS TO-15</b>						
				Prep Date: 4/14/2020		Analyst: MAS
1,1,1-Trichloroethane	ND	1.6		µg/m <sup>3</sup>	1	4/14/2020
1,1,2,2-Tetrachloroethane	ND	2.1		µg/m <sup>3</sup>	1	4/14/2020
1,1,2-Trichloroethane	ND	1.6		µg/m <sup>3</sup>	1	4/14/2020
1,1-Dichloroethane	ND	1.2		µg/m <sup>3</sup>	1	4/14/2020
1,1-Dichloroethene	ND	1.2		µg/m <sup>3</sup>	1	4/14/2020
1,2,4-Trichlorobenzene	ND	2.2		µg/m <sup>3</sup>	1	4/14/2020
1,2,4-Trimethylbenzene	ND	1.5		µg/m <sup>3</sup>	1	4/14/2020
1,2-Dibromoethane	ND	2.3		µg/m <sup>3</sup>	1	4/14/2020
1,2-Dichlorobenzene	ND	1.8		µg/m <sup>3</sup>	1	4/14/2020
1,2-Dichloroethane	ND	1.2		µg/m <sup>3</sup>	1	4/14/2020

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded



**STAT Analysis Corporation**

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: April 15, 2020

Date Printed: April 15, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: 60322

Work Order: 20040346 Revision 0

Collection Date: 4/14/2020 10:45:00 AM

Project: SET - Chicago, Crawford Dust, 3501 S. Pulaski

Matrix: Air

Lab ID: 20040346-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds in Air by GC/MS</b>		<b>TO-15</b>		Prep Date: 4/14/2020		Analyst: MAS
1,2-Dichloropropane	ND	1.4		µg/m <sup>3</sup>	1	4/14/2020
1,3,5-Trimethylbenzene	ND	1.5		µg/m <sup>3</sup>	1	4/14/2020
1,3-Butadiene	ND	0.66		µg/m <sup>3</sup>	1	4/14/2020
1,3-Dichlorobenzene	ND	1.8		µg/m <sup>3</sup>	1	4/14/2020
1,4-Dichlorobenzene	ND	1.8		µg/m <sup>3</sup>	1	4/14/2020
1,4-Dioxane	ND	2.7		µg/m <sup>3</sup>	1	4/14/2020
2-Butanone	ND	2.2		µg/m <sup>3</sup>	1	4/14/2020
2-Hexanone	ND	6.1		µg/m <sup>3</sup>	1	4/14/2020
4-Ethyltoluene	ND	1.5		µg/m <sup>3</sup>	1	4/14/2020
4-Methyl-2-pentanone	ND	6.1		µg/m <sup>3</sup>	1	4/14/2020
Acetone	ND	7.1	*	µg/m <sup>3</sup>	1	4/14/2020
Benzene	ND	0.96		µg/m <sup>3</sup>	1	4/14/2020
Benzyl chloride	ND	3.9		µg/m <sup>3</sup>	1	4/14/2020
Bromodichloromethane	ND	2.0		µg/m <sup>3</sup>	1	4/14/2020
Bromoform	ND	7.7		µg/m <sup>3</sup>	1	4/14/2020
Bromomethane	ND	2.9		µg/m <sup>3</sup>	1	4/14/2020
Carbon disulfide	ND	0.93		µg/m <sup>3</sup>	1	4/14/2020
Carbon tetrachloride	ND	1.9		µg/m <sup>3</sup>	1	4/14/2020
Chlorobenzene	ND	1.4		µg/m <sup>3</sup>	1	4/14/2020
Chloroethane	ND	0.79		µg/m <sup>3</sup>	1	4/14/2020
Chloroform	ND	1.5		µg/m <sup>3</sup>	1	4/14/2020
Chloromethane	ND	1.5		µg/m <sup>3</sup>	1	4/14/2020
cis-1,2-Dichloroethene	ND	1.2		µg/m <sup>3</sup>	1	4/14/2020
cis-1,3-Dichloropropene	ND	1.4		µg/m <sup>3</sup>	1	4/14/2020
Cyclohexane	ND	1.0		µg/m <sup>3</sup>	1	4/14/2020
Dibromochloromethane	ND	2.6		µg/m <sup>3</sup>	1	4/14/2020
Dichlorodifluoromethane	3.9	1.5		µg/m <sup>3</sup>	1	4/14/2020
Ethyl acetate	ND	2.7		µg/m <sup>3</sup>	1	4/14/2020
Ethylbenzene	ND	1.3		µg/m <sup>3</sup>	1	4/14/2020
Freon-113	ND	2.3		µg/m <sup>3</sup>	1	4/14/2020
Freon-114	ND	10		µg/m <sup>3</sup>	1	4/14/2020
Heptane	ND	1.2		µg/m <sup>3</sup>	1	4/14/2020
Hexachlorobutadiene	ND	3.2		µg/m <sup>3</sup>	1	4/14/2020
Hexane	ND	2.6		µg/m <sup>3</sup>	1	4/14/2020
Isopropyl Alcohol	ND	3.7		µg/m <sup>3</sup>	1	4/14/2020
m,p-Xylene	ND	2.6		µg/m <sup>3</sup>	1	4/14/2020
Methyl tert-butyl ether	ND	1.1		µg/m <sup>3</sup>	1	4/14/2020
Methylene chloride	ND	10		µg/m <sup>3</sup>	1	4/14/2020

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Date Reported: April 15, 2020

Date Printed: April 15, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: 60322

Work Order: 20040346 Revision 0

Collection Date: 4/14/2020 10:45:00 AM

Project: SET - Chicago, Crawford Dust, 3501 S. Pulaski

Matrix: Air

Lab ID: 20040346-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds in Air by GC/MS TO-15</b>						
				Prep Date: 4/14/2020		Analyst: MAS
Naphthalene	ND	1.6		µg/m <sup>3</sup>	1	4/14/2020
o-Xylene	ND	1.3		µg/m <sup>3</sup>	1	4/14/2020
Propene	ND	5.2		µg/m <sup>3</sup>	1	4/14/2020
Styrene	ND	1.3		µg/m <sup>3</sup>	1	4/14/2020
Tetrachloroethene	2.2	2.0		µg/m <sup>3</sup>	1	4/14/2020
Tetrahydrofuran	ND	2.2		µg/m <sup>3</sup>	1	4/14/2020
Toluene	ND	1.1		µg/m <sup>3</sup>	1	4/14/2020
trans-1,2-Dichloroethene	ND	1.2		µg/m <sup>3</sup>	1	4/14/2020
trans-1,3-Dichloropropene	ND	1.4		µg/m <sup>3</sup>	1	4/14/2020
Trichloroethene	ND	1.6		µg/m <sup>3</sup>	1	4/14/2020
Trichlorofluoromethane	ND	1.7		µg/m <sup>3</sup>	1	4/14/2020
Vinyl acetate	ND	11		µg/m <sup>3</sup>	1	4/14/2020
Vinyl chloride	ND	0.77		µg/m <sup>3</sup>	1	4/14/2020
Xylenes, Total	ND	3.9		µg/m <sup>3</sup>	1	4/14/2020
<b>Volatile Organic Compounds in Air by GC/MS TO-15</b>						
				Prep Date: 4/14/2020		Analyst: MAS
Total Volatile Organic Compounds	ND	300	*	µg/m <sup>3</sup>	1	4/14/2020

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

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Accreditations: IEPA ELAP 100445; ORELAP IL 300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: April 15, 2020

Date Printed: April 15, 2020

<b>Client:</b>	CCA	<b>Client Sample ID:</b>	60322
<b>Work Order:</b>	20040346	<b>Tag Number:</b>	
<b>Project:</b>	SET-Chicago, Crawford Dust, 3501 S. Pulaski	<b>Collection Date:</b>	4/14/2020
<b>Lab ID:</b>	20040346-001A	<b>Matrix:</b>	Air

Analyses	$\mu\text{g}/\text{m}^3$	ppbv	Qualifier	DF	Date Analyzed
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**Tentatively Identified Compounds (TICS), Volatile Organic in Air by GC/MS TO-15**

Propane	2.2	1.2	Z*	1	4/14/2020
5-Aminovaleric acid	2.2	0.5	Z*	1	4/14/2020
1-Propene, 2-methyl-	1.7	0.7	Z*	1	4/14/2020
Butane	4.1	1.7	Z*	1	4/14/2020
N-(3-Chlorophenylcarbamoyl)phthalimide	0.8	0.1	Z*	1	4/14/2020

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Date Reported: April 15, 2020

Date Printed: April 15, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: 60259

Work Order: 20040346 Revision 0

Collection Date: 4/14/2020 11:20:00 AM

Project: SET - Chicago, Crawford Dust, 3501 S. Pulaski

Matrix: Air

Lab ID: 20040346-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds in Air by GC/MS</b>		<b>TO-15</b>		Prep Date: 4/14/2020		Analyst: MAS
1,1,1-Trichloroethane	ND	0.30		ppbv	1	4/14/2020
1,1,2,2-Tetrachloroethane	ND	0.30		ppbv	1	4/14/2020
1,1,2-Trichloroethane	ND	0.30		ppbv	1	4/14/2020
1,1-Dichloroethane	ND	0.30		ppbv	1	4/14/2020
1,1-Dichloroethene	ND	0.30		ppbv	1	4/14/2020
1,2,4-Trichlorobenzene	ND	0.30		ppbv	1	4/14/2020
1,2,4-Trimethylbenzene	ND	0.30		ppbv	1	4/14/2020
1,2-Dibromoethane	ND	0.30		ppbv	1	4/14/2020
1,2-Dichlorobenzene	ND	0.30		ppbv	1	4/14/2020
1,2-Dichloroethane	ND	0.30		ppbv	1	4/14/2020
1,2-Dichloropropane	ND	0.30		ppbv	1	4/14/2020
1,3,5-Trimethylbenzene	ND	0.30		ppbv	1	4/14/2020
1,3-Butadiene	ND	0.30		ppbv	1	4/14/2020
1,3-Dichlorobenzene	ND	0.30		ppbv	1	4/14/2020
1,4-Dichlorobenzene	ND	0.30		ppbv	1	4/14/2020
1,4-Dioxane	ND	0.76		ppbv	1	4/14/2020
2-Butanone	ND	0.76		ppbv	1	4/14/2020
2-Hexanone	ND	1.5		ppbv	1	4/14/2020
4-Ethyltoluene	ND	0.30		ppbv	1	4/14/2020
4-Methyl-2-pentanone	ND	1.5		ppbv	1	4/14/2020
Acetone	ND	3.0	*	ppbv	1	4/14/2020
Benzene	ND	0.30		ppbv	1	4/14/2020
Benzyl chloride	ND	0.76		ppbv	1	4/14/2020
Bromodichloromethane	ND	0.30		ppbv	1	4/14/2020
Bromoform	ND	0.76		ppbv	1	4/14/2020
Bromomethane	ND	0.76		ppbv	1	4/14/2020
Carbon disulfide	ND	0.30		ppbv	1	4/14/2020
Carbon tetrachloride	ND	0.30		ppbv	1	4/14/2020
Chlorobenzene	ND	0.30		ppbv	1	4/14/2020
Chloroethane	ND	0.30		ppbv	1	4/14/2020
Chloroform	ND	0.30		ppbv	1	4/14/2020
Chloromethane	ND	0.76		ppbv	1	4/14/2020
cis-1,2-Dichloroethene	ND	0.30		ppbv	1	4/14/2020
cis-1,3-Dichloropropene	ND	0.30		ppbv	1	4/14/2020
Cyclohexane	ND	0.30		ppbv	1	4/14/2020
Dibromochloromethane	ND	0.30		ppbv	1	4/14/2020
Dichlorodifluoromethane	0.74	0.30		ppbv	1	4/14/2020
Ethyl acetate	ND	0.76		ppbv	1	4/14/2020

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Date Reported: April 15, 2020

Date Printed: April 15, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: 60259

Work Order: 20040346 Revision 0

Collection Date: 4/14/2020 11:20:00 AM

Project: SET - Chicago, Crawford Dust, 3501 S. Pulaski

Matrix: Air

Lab ID: 20040346-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds in Air by GC/MS TO-15</b>						
				Prep Date: 4/14/2020		Analyst: MAS
Ethylbenzene	ND	0.30		ppbv	1	4/14/2020
Freon-113	ND	0.30		ppbv	1	4/14/2020
Freon-114	ND	1.5		ppbv	1	4/14/2020
Heptane	ND	0.30		ppbv	1	4/14/2020
Hexachlorobutadiene	ND	0.30		ppbv	1	4/14/2020
Hexane	ND	0.76		ppbv	1	4/14/2020
Isopropyl Alcohol	ND	1.5		ppbv	1	4/14/2020
m,p-Xylene	ND	0.61		ppbv	1	4/14/2020
Methyl tert-butyl ether	ND	0.30		ppbv	1	4/14/2020
Methylene chloride	4.6	3.0		ppbv	1	4/14/2020
Naphthalene	ND	0.30		ppbv	1	4/14/2020
o-Xylene	ND	0.30		ppbv	1	4/14/2020
Propene	ND	3.0		ppbv	1	4/14/2020
Styrene	ND	0.30		ppbv	1	4/14/2020
Tetrachloroethene	ND	0.30		ppbv	1	4/14/2020
Tetrahydrofuran	ND	0.76		ppbv	1	4/14/2020
Toluene	0.76	0.30		ppbv	1	4/14/2020
trans-1,2-Dichloroethene	ND	0.30		ppbv	1	4/14/2020
trans-1,3-Dichloropropene	ND	0.30		ppbv	1	4/14/2020
Trichloroethene	ND	0.30		ppbv	1	4/14/2020
Trichlorofluoromethane	0.32	0.30		ppbv	1	4/14/2020
Vinyl acetate	ND	3.0		ppbv	1	4/14/2020
Vinyl chloride	ND	0.30		ppbv	1	4/14/2020
Xylenes, Total	ND	0.91		ppbv	1	4/14/2020
<b>Volatile Organic Compounds in Air by GC/MS TO-15</b>						
				Prep Date: 4/14/2020		Analyst: MAS
Total Volatile Organic Compounds	ND	80	*	ppbv	1	4/14/2020
<b>Volatile Organic Compounds in Air by GC/MS TO-15</b>						
				Prep Date: 4/14/2020		Analyst: MAS
1,1,1-Trichloroethane	ND	1.7		µg/m <sup>3</sup>	1	4/14/2020
1,1,2,2-Tetrachloroethane	ND	2.1		µg/m <sup>3</sup>	1	4/14/2020
1,1,2-Trichloroethane	ND	1.7		µg/m <sup>3</sup>	1	4/14/2020
1,1-Dichloroethane	ND	1.2		µg/m <sup>3</sup>	1	4/14/2020
1,1-Dichloroethene	ND	1.2		µg/m <sup>3</sup>	1	4/14/2020
1,2,4-Trichlorobenzene	ND	2.3		µg/m <sup>3</sup>	1	4/14/2020
1,2,4-Trimethylbenzene	ND	1.5		µg/m <sup>3</sup>	1	4/14/2020
1,2-Dibromoethane	ND	2.3		µg/m <sup>3</sup>	1	4/14/2020
1,2-Dichlorobenzene	ND	1.8		µg/m <sup>3</sup>	1	4/14/2020
1,2-Dichloroethane	ND	1.2		µg/m <sup>3</sup>	1	4/14/2020

ND - Not Detected at the Reporting Limit

RL - Reporting / Quantitation Limit for the analysis

Qualifiers: J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

HT - Sample received past holding time

E - Value above quantitation range

\* - Non-accredited parameter

H - Holding time exceeded

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Date Reported: April 15, 2020

Date Printed: April 15, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: 60259

Work Order: 20040346 Revision 0

Collection Date: 4/14/2020 11:20:00 AM

Project: SET - Chicago, Crawford Dust, 3501 S. Pulaski

Matrix: Air

Lab ID: 20040346-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds in Air by GC/MS</b>		<b>TO-15</b>		Prep Date: 4/14/2020		Analyst: MAS
1,2-Dichloropropane	ND	1.4		µg/m <sup>3</sup>	1	4/14/2020
1,3,5-Trimethylbenzene	ND	1.5		µg/m <sup>3</sup>	1	4/14/2020
1,3-Butadiene	ND	0.67		µg/m <sup>3</sup>	1	4/14/2020
1,3-Dichlorobenzene	ND	1.8		µg/m <sup>3</sup>	1	4/14/2020
1,4-Dichlorobenzene	ND	1.8		µg/m <sup>3</sup>	1	4/14/2020
1,4-Dioxane	ND	2.7		µg/m <sup>3</sup>	1	4/14/2020
2-Butanone	ND	2.2		µg/m <sup>3</sup>	1	4/14/2020
2-Hexanone	ND	6.2		µg/m <sup>3</sup>	1	4/14/2020
4-Ethyltoluene	ND	1.5		µg/m <sup>3</sup>	1	4/14/2020
4-Methyl-2-pentanone	ND	6.2		µg/m <sup>3</sup>	1	4/14/2020
Acetone	ND	7.2	*	µg/m <sup>3</sup>	1	4/14/2020
Benzene	ND	0.97		µg/m <sup>3</sup>	1	4/14/2020
Benzyl chloride	ND	3.9		µg/m <sup>3</sup>	1	4/14/2020
Bromodichloromethane	ND	2.0		µg/m <sup>3</sup>	1	4/14/2020
Bromoform	ND	7.8		µg/m <sup>3</sup>	1	4/14/2020
Bromomethane	ND	2.9		µg/m <sup>3</sup>	1	4/14/2020
Carbon disulfide	ND	0.95		µg/m <sup>3</sup>	1	4/14/2020
Carbon tetrachloride	ND	1.9		µg/m <sup>3</sup>	1	4/14/2020
Chlorobenzene	ND	1.4		µg/m <sup>3</sup>	1	4/14/2020
Chloroethane	ND	0.80		µg/m <sup>3</sup>	1	4/14/2020
Chloroform	ND	1.5		µg/m <sup>3</sup>	1	4/14/2020
Chloromethane	ND	1.6		µg/m <sup>3</sup>	1	4/14/2020
cis-1,2-Dichloroethene	ND	1.2		µg/m <sup>3</sup>	1	4/14/2020
cis-1,3-Dichloropropene	ND	1.4		µg/m <sup>3</sup>	1	4/14/2020
Cyclohexane	ND	1.0		µg/m <sup>3</sup>	1	4/14/2020
Dibromochloromethane	ND	2.6		µg/m <sup>3</sup>	1	4/14/2020
Dichlorodifluoromethane	3.7	1.5		µg/m <sup>3</sup>	1	4/14/2020
Ethyl acetate	ND	2.7		µg/m <sup>3</sup>	1	4/14/2020
Ethylbenzene	ND	1.3		µg/m <sup>3</sup>	1	4/14/2020
Freon-113	ND	2.3		µg/m <sup>3</sup>	1	4/14/2020
Freon-114	ND	11		µg/m <sup>3</sup>	1	4/14/2020
Heptane	ND	1.2		µg/m <sup>3</sup>	1	4/14/2020
Hexachlorobutadiene	ND	3.2		µg/m <sup>3</sup>	1	4/14/2020
Hexane	ND	2.7		µg/m <sup>3</sup>	1	4/14/2020
Isopropyl Alcohol	ND	3.7		µg/m <sup>3</sup>	1	4/14/2020
m,p-Xylene	ND	2.6		µg/m <sup>3</sup>	1	4/14/2020
Methyl tert-butyl ether	ND	1.1		µg/m <sup>3</sup>	1	4/14/2020
Methylene chloride	16	11		µg/m <sup>3</sup>	1	4/14/2020

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
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 E - Value above quantitation range  
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Date Reported: April 15, 2020

Date Printed: April 15, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: 60259

Work Order: 20040346 Revision 0

Collection Date: 4/14/2020 11:20:00 AM

Project: SET - Chicago, Crawford Dust, 3501 S. Pulaski

Matrix: Air

Lab ID: 20040346-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds in Air by GC/MS TO-15</b>						
				Prep Date: 4/14/2020		Analyst: MAS
Naphthalene	ND	1.6		µg/m <sup>3</sup>	1	4/14/2020
o-Xylene	ND	1.3		µg/m <sup>3</sup>	1	4/14/2020
Propene	ND	5.2		µg/m <sup>3</sup>	1	4/14/2020
Styrene	ND	1.3		µg/m <sup>3</sup>	1	4/14/2020
Tetrachloroethene	ND	2.1		µg/m <sup>3</sup>	1	4/14/2020
Tetrahydrofuran	ND	2.2		µg/m <sup>3</sup>	1	4/14/2020
Toluene	2.9	1.1		µg/m <sup>3</sup>	1	4/14/2020
trans-1,2-Dichloroethene	ND	1.2		µg/m <sup>3</sup>	1	4/14/2020
trans-1,3-Dichloropropene	ND	1.4		µg/m <sup>3</sup>	1	4/14/2020
Trichloroethene	ND	1.6		µg/m <sup>3</sup>	1	4/14/2020
Trichlorofluoromethane	1.8	1.7		µg/m <sup>3</sup>	1	4/14/2020
Vinyl acetate	ND	11		µg/m <sup>3</sup>	1	4/14/2020
Vinyl chloride	ND	0.78		µg/m <sup>3</sup>	1	4/14/2020
Xylenes, Total	ND	4.0		µg/m <sup>3</sup>	1	4/14/2020
<b>Volatile Organic Compounds in Air by GC/MS TO-15</b>						
				Prep Date: 4/14/2020		Analyst: MAS
Total Volatile Organic Compounds	ND	300	*	µg/m <sup>3</sup>	1	4/14/2020

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

**STAT Analysis Corporation:**

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Accreditations: IEPA ELAP 100445; ORELAP IL 300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: April 15, 2020

Date Printed: April 15, 2020

<b>Client:</b>	CCA	<b>Client Sample ID:</b>	60259
<b>Work Order:</b>	20040346	<b>Tag Number:</b>	
<b>Project:</b>	SET-Chicago, Crawford Dust, 3501 S. Pulaski	<b>Collection Date:</b>	4/14/2020
<b>Lab ID:</b>	20040346-002A	<b>Matrix:</b>	Air

Analyses	$\mu\text{g}/\text{m}^3$	ppbv	Qualifier	DF	Date Analyzed
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**Tentatively Identified Compounds (TICS), Volatile Organic in Air by GC/MS TO-15**

Formic acid hydrazide	0.8	0.3	Z*	1	4/14/2020
1-Propene, 2-methyl-	1.6	0.7	Z*	1	4/14/2020
Butane	4.6	1.9	Z*	1	4/14/2020
4-Bromo-1-ethoxyisoquinoline	0.9	0.1	Z*	1	4/14/2020

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

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Date Reported: April 15, 2020

Date Printed: April 15, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: 60300

Work Order: 20040346 Revision 0

Collection Date: 4/14/2020 11:45:00 AM

Project: SET - Chicago, Crawford Dust, 3501 S. Pulaski

Matrix: Air

Lab ID: 20040346-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds in Air by GC/MS</b>		<b>TO-15</b>		Prep Date: 4/14/2020		Analyst: MAS
1,1,1-Trichloroethane	ND	0.29		ppbv	1	4/14/2020
1,1,2,2-Tetrachloroethane	ND	0.29		ppbv	1	4/14/2020
1,1,2-Trichloroethane	ND	0.29		ppbv	1	4/14/2020
1,1-Dichloroethane	ND	0.29		ppbv	1	4/14/2020
1,1-Dichloroethene	ND	0.29		ppbv	1	4/14/2020
1,2,4-Trichlorobenzene	ND	0.29		ppbv	1	4/14/2020
1,2,4-Trimethylbenzene	ND	0.29		ppbv	1	4/14/2020
1,2-Dibromoethane	ND	0.29		ppbv	1	4/14/2020
1,2-Dichlorobenzene	ND	0.29		ppbv	1	4/14/2020
1,2-Dichloroethane	ND	0.29		ppbv	1	4/14/2020
1,2-Dichloropropane	ND	0.29		ppbv	1	4/14/2020
1,3,5-Trimethylbenzene	ND	0.29		ppbv	1	4/14/2020
1,3-Butadiene	ND	0.29		ppbv	1	4/14/2020
1,3-Dichlorobenzene	ND	0.29		ppbv	1	4/14/2020
1,4-Dichlorobenzene	ND	0.29		ppbv	1	4/14/2020
1,4-Dioxane	ND	0.73		ppbv	1	4/14/2020
2-Butanone	ND	0.73		ppbv	1	4/14/2020
2-Hexanone	ND	1.5		ppbv	1	4/14/2020
4-Ethyltoluene	ND	0.29		ppbv	1	4/14/2020
4-Methyl-2-pentanone	ND	1.5		ppbv	1	4/14/2020
Acetone	ND	2.9	*	ppbv	1	4/14/2020
Benzene	0.39	0.29		ppbv	1	4/14/2020
Benzyl chloride	ND	0.73		ppbv	1	4/14/2020
Bromodichloromethane	ND	0.29		ppbv	1	4/14/2020
Bromoform	ND	0.73		ppbv	1	4/14/2020
Bromomethane	ND	0.73		ppbv	1	4/14/2020
Carbon disulfide	ND	0.29		ppbv	1	4/14/2020
Carbon tetrachloride	ND	0.29		ppbv	1	4/14/2020
Chlorobenzene	ND	0.29		ppbv	1	4/14/2020
Chloroethane	ND	0.29		ppbv	1	4/14/2020
Chloroform	ND	0.29		ppbv	1	4/14/2020
Chloromethane	ND	0.73		ppbv	1	4/14/2020
cis-1,2-Dichloroethene	ND	0.29		ppbv	1	4/14/2020
cis-1,3-Dichloropropene	ND	0.29		ppbv	1	4/14/2020
Cyclohexane	ND	0.29		ppbv	1	4/14/2020
Dibromochloromethane	ND	0.29		ppbv	1	4/14/2020
Dichlorodifluoromethane	0.79	0.29		ppbv	1	4/14/2020
Ethyl acetate	ND	0.73		ppbv	1	4/14/2020

**Qualifiers:**  
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HT - Sample received past holding time  
\* - Non-accredited parameter

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S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

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Date Reported: April 15, 2020

Date Printed: April 15, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: 60300

Work Order: 20040346 Revision 0

Collection Date: 4/14/2020 11:45:00 AM

Project: SET - Chicago, Crawford Dust, 3501 S. Pulaski

Matrix: Air

Lab ID: 20040346-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds in Air by GC/MS TO-15</b>						
					Prep Date: 4/14/2020	Analyst: MAS
Ethylbenzene	ND	0.29		ppbv	1	4/14/2020
Freon-113	ND	0.29		ppbv	1	4/14/2020
Freon-114	ND	1.5		ppbv	1	4/14/2020
Heptane	ND	0.29		ppbv	1	4/14/2020
Hexachlorobutadiene	ND	0.29		ppbv	1	4/14/2020
Hexane	ND	0.73		ppbv	1	4/14/2020
Isopropyl Alcohol	ND	1.5		ppbv	1	4/14/2020
m,p-Xylene	ND	0.58		ppbv	1	4/14/2020
Methyl tert-butyl ether	ND	0.29		ppbv	1	4/14/2020
Methylene chloride	ND	2.9		ppbv	1	4/14/2020
Naphthalene	0.31	0.29		ppbv	1	4/14/2020
o-Xylene	ND	0.29		ppbv	1	4/14/2020
Propene	ND	2.9		ppbv	1	4/14/2020
Styrene	ND	0.29		ppbv	1	4/14/2020
Tetrachloroethene	ND	0.29		ppbv	1	4/14/2020
Tetrahydrofuran	ND	0.73		ppbv	1	4/14/2020
Toluene	ND	0.29		ppbv	1	4/14/2020
trans-1,2-Dichloroethene	ND	0.29		ppbv	1	4/14/2020
trans-1,3-Dichloropropene	ND	0.29		ppbv	1	4/14/2020
Trichloroethene	ND	0.29		ppbv	1	4/14/2020
Trichlorofluoromethane	0.29	0.29		ppbv	1	4/14/2020
Vinyl acetate	ND	2.9		ppbv	1	4/14/2020
Vinyl chloride	ND	0.29		ppbv	1	4/14/2020
Xylenes, Total	ND	0.88		ppbv	1	4/14/2020
<b>Volatile Organic Compounds in Air by GC/MS TO-15</b>						
					Prep Date: 4/14/2020	Analyst: MAS
Total Volatile Organic Compounds	ND	77	*	ppbv	1	4/14/2020
<b>Volatile Organic Compounds in Air by GC/MS TO-15</b>						
					Prep Date: 4/14/2020	Analyst: MAS
1,1,1-Trichloroethane	ND	1.6		µg/m <sup>3</sup>	1	4/14/2020
1,1,2,2-Tetrachloroethane	ND	2.0		µg/m <sup>3</sup>	1	4/14/2020
1,1,2-Trichloroethane	ND	1.6		µg/m <sup>3</sup>	1	4/14/2020
1,1-Dichloroethane	ND	1.2		µg/m <sup>3</sup>	1	4/14/2020
1,1-Dichloroethene	ND	1.2		µg/m <sup>3</sup>	1	4/14/2020
1,2,4-Trichlorobenzene	ND	2.2		µg/m <sup>3</sup>	1	4/14/2020
1,2,4-Trimethylbenzene	ND	1.4		µg/m <sup>3</sup>	1	4/14/2020
1,2-Dibromoethane	ND	2.2		µg/m <sup>3</sup>	1	4/14/2020
1,2-Dichlorobenzene	ND	1.8		µg/m <sup>3</sup>	1	4/14/2020
1,2-Dichloroethane	ND	1.2		µg/m <sup>3</sup>	1	4/14/2020

**Qualifiers:**

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 HT - Sample received past holding time  
 \* - Non-accredited parameter

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Date Reported: April 15, 2020

Date Printed: April 15, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: 60300

Work Order: 20040346 Revision 0

Collection Date: 4/14/2020 11:45:00 AM

Project: SET - Chicago, Crawford Dust, 3501 S. Pulaski

Matrix: Air

Lab ID: 20040346-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds in Air by GC/MS</b>		<b>TO-15</b>		Prep Date: 4/14/2020		Analyst: MAS
1,2-Dichloropropane	ND	1.4		µg/m <sup>3</sup>	1	4/14/2020
1,3,5-Trimethylbenzene	ND	1.4		µg/m <sup>3</sup>	1	4/14/2020
1,3-Butadiene	ND	0.65		µg/m <sup>3</sup>	1	4/14/2020
1,3-Dichlorobenzene	ND	1.8		µg/m <sup>3</sup>	1	4/14/2020
1,4-Dichlorobenzene	ND	1.8		µg/m <sup>3</sup>	1	4/14/2020
1,4-Dioxane	ND	2.6		µg/m <sup>3</sup>	1	4/14/2020
2-Butanone	ND	2.2		µg/m <sup>3</sup>	1	4/14/2020
2-Hexanone	ND	6.0		µg/m <sup>3</sup>	1	4/14/2020
4-Ethyltoluene	ND	1.4		µg/m <sup>3</sup>	1	4/14/2020
4-Methyl-2-pentanone	ND	6.0		µg/m <sup>3</sup>	1	4/14/2020
Acetone	ND	6.9	*	µg/m <sup>3</sup>	1	4/14/2020
Benzene	1.3	0.93		µg/m <sup>3</sup>	1	4/14/2020
Benzyl chloride	ND	3.8		µg/m <sup>3</sup>	1	4/14/2020
Bromodichloromethane	ND	2.0		µg/m <sup>3</sup>	1	4/14/2020
Bromoform	ND	7.6		µg/m <sup>3</sup>	1	4/14/2020
Bromomethane	ND	2.8		µg/m <sup>3</sup>	1	4/14/2020
Carbon disulfide	ND	0.91		µg/m <sup>3</sup>	1	4/14/2020
Carbon tetrachloride	ND	1.8		µg/m <sup>3</sup>	1	4/14/2020
Chlorobenzene	ND	1.3		µg/m <sup>3</sup>	1	4/14/2020
Chloroethane	ND	0.77		µg/m <sup>3</sup>	1	4/14/2020
Chloroform	ND	1.4		µg/m <sup>3</sup>	1	4/14/2020
Chloromethane	ND	1.5		µg/m <sup>3</sup>	1	4/14/2020
cis-1,2-Dichloroethene	ND	1.2		µg/m <sup>3</sup>	1	4/14/2020
cis-1,3-Dichloropropene	ND	1.3		µg/m <sup>3</sup>	1	4/14/2020
Cyclohexane	ND	1.0		µg/m <sup>3</sup>	1	4/14/2020
Dibromochloromethane	ND	2.5		µg/m <sup>3</sup>	1	4/14/2020
Dichlorodifluoromethane	3.9	1.4		µg/m <sup>3</sup>	1	4/14/2020
Ethyl acetate	ND	2.6		µg/m <sup>3</sup>	1	4/14/2020
Ethylbenzene	ND	1.3		µg/m <sup>3</sup>	1	4/14/2020
Freon-113	ND	2.2		µg/m <sup>3</sup>	1	4/14/2020
Freon-114	ND	10		µg/m <sup>3</sup>	1	4/14/2020
Heptane	ND	1.2		µg/m <sup>3</sup>	1	4/14/2020
Hexachlorobutadiene	ND	3.1		µg/m <sup>3</sup>	1	4/14/2020
Hexane	ND	2.6		µg/m <sup>3</sup>	1	4/14/2020
Isopropyl Alcohol	ND	3.6		µg/m <sup>3</sup>	1	4/14/2020
m,p-Xylene	ND	2.5		µg/m <sup>3</sup>	1	4/14/2020
Methyl tert-butyl ether	ND	1.1		µg/m <sup>3</sup>	1	4/14/2020
Methylene chloride	ND	10		µg/m <sup>3</sup>	1	4/14/2020

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Date Reported: April 15, 2020

Date Printed: April 15, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: 60300

Work Order: 20040346 Revision 0

Collection Date: 4/14/2020 11:45:00 AM

Project: SET - Chicago, Crawford Dust, 3501 S. Pulaski

Matrix: Air

Lab ID: 20040346-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds in Air by GC/MS TO-15</b>						
				Prep Date: 4/14/2020		Analyst: MAS
Naphthalene	1.6	1.5		µg/m <sup>3</sup>	1	4/14/2020
o-Xylene	ND	1.3		µg/m <sup>3</sup>	1	4/14/2020
Propene	ND	5.0		µg/m <sup>3</sup>	1	4/14/2020
Styrene	ND	1.2		µg/m <sup>3</sup>	1	4/14/2020
Tetrachloroethene	ND	2.0		µg/m <sup>3</sup>	1	4/14/2020
Tetrahydrofuran	ND	2.2		µg/m <sup>3</sup>	1	4/14/2020
Toluene	ND	1.1		µg/m <sup>3</sup>	1	4/14/2020
trans-1,2-Dichloroethene	ND	1.2		µg/m <sup>3</sup>	1	4/14/2020
trans-1,3-Dichloropropene	ND	1.3		µg/m <sup>3</sup>	1	4/14/2020
Trichloroethene	ND	1.6		µg/m <sup>3</sup>	1	4/14/2020
Trichlorofluoromethane	1.6	1.6		µg/m <sup>3</sup>	1	4/14/2020
Vinyl acetate	ND	10		µg/m <sup>3</sup>	1	4/14/2020
Vinyl chloride	ND	0.75		µg/m <sup>3</sup>	1	4/14/2020
Xylenes, Total	ND	3.8		µg/m <sup>3</sup>	1	4/14/2020
<b>Volatile Organic Compounds in Air by GC/MS TO-15</b>						
				Prep Date: 4/14/2020		Analyst: MAS
Total Volatile Organic Compounds	ND	290	*	µg/m <sup>3</sup>	1	4/14/2020

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

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Accreditations: IEPA ELAP 100445; ORELAP IL 300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: April 15, 2020

Date Printed: April 15, 2020

<b>Client:</b>	CCA	<b>Client Sample ID:</b>	60300
<b>Work Order:</b>	20040346	<b>Tag Number:</b>	
<b>Project:</b>	SET-Chicago, Crawford Dust, 3501 S. Pulaski	<b>Collection Date:</b>	4/14/2020
<b>Lab ID:</b>	20040346-003A	<b>Matrix:</b>	Air

Analyses	$\mu\text{g}/\text{m}^3$	ppbv	Qualifier	DF	Date Analyzed
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**Tentatively Identified Compounds (TICS), Volatile Organic in Air by GC/MS TO-15**

Formic acid hydrazide	2.6	1.0	Z*	1	4/14/2020
2-Heptene	1.9	0.5	Z*	1	4/14/2020
Butane	4.4	1.9	Z*	1	4/14/2020
Acetamide, 2-[4-(1-oxo-3-phenyl-)]	0.7	0.1	Z*	1	4/14/2020
5-Chloro-4-fluoro-2-nitroaniline	1.1	0.1	Z*	1	4/14/2020

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded



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Date Reported: April 15, 2020

Date Printed: April 15, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: 60227

Work Order: 20040346 Revision 0

Collection Date: 4/14/2020 12:00:00 PM

Project: SET - Chicago, Crawford Dust, 3501 S. Pulaski

Matrix: Air

Lab ID: 20040346-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds in Air by GC/MS</b>		<b>TO-15</b>		Prep Date: 4/14/2020		Analyst: MAS
1,1,1-Trichloroethane	ND	0.37		ppbv	1	4/14/2020
1,1,2,2-Tetrachloroethane	ND	0.37		ppbv	1	4/14/2020
1,1,2-Trichloroethane	ND	0.37		ppbv	1	4/14/2020
1,1-Dichloroethane	ND	0.37		ppbv	1	4/14/2020
1,1-Dichloroethene	ND	0.37		ppbv	1	4/14/2020
1,2,4-Trichlorobenzene	ND	0.37		ppbv	1	4/14/2020
1,2,4-Trimethylbenzene	ND	0.37		ppbv	1	4/14/2020
1,2-Dibromoethane	ND	0.37		ppbv	1	4/14/2020
1,2-Dichlorobenzene	ND	0.37		ppbv	1	4/14/2020
1,2-Dichloroethane	ND	0.37		ppbv	1	4/14/2020
1,2-Dichloropropane	ND	0.37		ppbv	1	4/14/2020
1,3,5-Trimethylbenzene	ND	0.37		ppbv	1	4/14/2020
1,3-Butadiene	ND	0.37		ppbv	1	4/14/2020
1,3-Dichlorobenzene	ND	0.37		ppbv	1	4/14/2020
1,4-Dichlorobenzene	ND	0.37		ppbv	1	4/14/2020
1,4-Dioxane	ND	0.93		ppbv	1	4/14/2020
2-Butanone	ND	0.93		ppbv	1	4/14/2020
2-Hexanone	ND	1.9		ppbv	1	4/14/2020
4-Ethyltoluene	ND	0.37		ppbv	1	4/14/2020
4-Methyl-2-pentanone	ND	1.9		ppbv	1	4/14/2020
Acetone	ND	3.7	*	ppbv	1	4/14/2020
Benzene	0.41	0.37		ppbv	1	4/14/2020
Benzyl chloride	ND	0.93		ppbv	1	4/14/2020
Bromodichloromethane	ND	0.37		ppbv	1	4/14/2020
Bromoform	ND	0.93		ppbv	1	4/14/2020
Bromomethane	ND	0.93		ppbv	1	4/14/2020
Carbon disulfide	ND	0.37		ppbv	1	4/14/2020
Carbon tetrachloride	ND	0.37		ppbv	1	4/14/2020
Chlorobenzene	ND	0.37		ppbv	1	4/14/2020
Chloroethane	ND	0.37		ppbv	1	4/14/2020
Chloroform	ND	0.37		ppbv	1	4/14/2020
Chloromethane	ND	0.93		ppbv	1	4/14/2020
cis-1,2-Dichloroethene	ND	0.37		ppbv	1	4/14/2020
cis-1,3-Dichloropropene	ND	0.37		ppbv	1	4/14/2020
Cyclohexane	ND	0.37		ppbv	1	4/14/2020
Dibromochloromethane	ND	0.37		ppbv	1	4/14/2020
Dichlorodifluoromethane	1.0	0.37		ppbv	1	4/14/2020
Ethyl acetate	ND	0.93		ppbv	1	4/14/2020

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: April 15, 2020

Date Printed: April 15, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: 60227

Work Order: 20040346 Revision 0

Collection Date: 4/14/2020 12:00:00 PM

Project: SET - Chicago, Crawford Dust, 3501 S. Pulaski

Matrix: Air

Lab ID: 20040346-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds in Air by GC/MS TO-15</b>						
				Prep Date: 4/14/2020		Analyst: MAS
Ethylbenzene	ND	0.37		ppbv	1	4/14/2020
Freon-113	ND	0.37		ppbv	1	4/14/2020
Freon-114	ND	1.9		ppbv	1	4/14/2020
Heptane	ND	0.37		ppbv	1	4/14/2020
Hexachlorobutadiene	ND	0.37		ppbv	1	4/14/2020
Hexane	ND	0.93		ppbv	1	4/14/2020
Isopropyl Alcohol	ND	1.9		ppbv	1	4/14/2020
m,p-Xylene	ND	0.74		ppbv	1	4/14/2020
Methyl tert-butyl ether	ND	0.37		ppbv	1	4/14/2020
Methylene chloride	ND	3.7		ppbv	1	4/14/2020
Naphthalene	0.63	0.37		ppbv	1	4/14/2020
o-Xylene	ND	0.37		ppbv	1	4/14/2020
Propene	ND	3.7		ppbv	1	4/14/2020
Styrene	ND	0.37		ppbv	1	4/14/2020
Tetrachloroethene	ND	0.37		ppbv	1	4/14/2020
Tetrahydrofuran	ND	0.93		ppbv	1	4/14/2020
Toluene	ND	0.37		ppbv	1	4/14/2020
trans-1,2-Dichloroethene	ND	0.37		ppbv	1	4/14/2020
trans-1,3-Dichloropropene	ND	0.37		ppbv	1	4/14/2020
Trichloroethene	ND	0.37		ppbv	1	4/14/2020
Trichlorofluoromethane	ND	0.37		ppbv	1	4/14/2020
Vinyl acetate	ND	3.7		ppbv	1	4/14/2020
Vinyl chloride	ND	0.37		ppbv	1	4/14/2020
Xylenes, Total	ND	1.1		ppbv	1	4/14/2020
<b>Volatile Organic Compounds in Air by GC/MS TO-15</b>						
				Prep Date: 4/14/2020		Analyst: MAS
Total Volatile Organic Compounds	120	98	*	ppbv	1	4/14/2020
<b>Volatile Organic Compounds in Air by GC/MS TO-15</b>						
				Prep Date: 4/14/2020		Analyst: MAS
1,1,1-Trichloroethane	ND	2.0		µg/m <sup>3</sup>	1	4/14/2020
1,1,2,2-Tetrachloroethane	ND	2.6		µg/m <sup>3</sup>	1	4/14/2020
1,1,2-Trichloroethane	ND	2.0		µg/m <sup>3</sup>	1	4/14/2020
1,1-Dichloroethane	ND	1.5		µg/m <sup>3</sup>	1	4/14/2020
1,1-Dichloroethene	ND	1.5		µg/m <sup>3</sup>	1	4/14/2020
1,2,4-Trichlorobenzene	ND	2.8		µg/m <sup>3</sup>	1	4/14/2020
1,2,4-Trimethylbenzene	ND	1.8		µg/m <sup>3</sup>	1	4/14/2020
1,2-Dibromoethane	ND	2.9		µg/m <sup>3</sup>	1	4/14/2020
1,2-Dichlorobenzene	ND	2.2		µg/m <sup>3</sup>	1	4/14/2020
1,2-Dichloroethane	ND	1.5		µg/m <sup>3</sup>	1	4/14/2020

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

**STAT Analysis Corporation**

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Date Reported: April 15, 2020

Date Printed: April 15, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: 60227

Work Order: 20040346 Revision 0

Collection Date: 4/14/2020 12:00:00 PM

Project: SET - Chicago, Crawford Dust, 3501 S. Pulaski

Matrix: Air

Lab ID: 20040346-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds in Air by GC/MS</b>		<b>TO-15</b>		Prep Date: 4/14/2020		Analyst: MAS
1,2-Dichloropropane	ND	1.7		µg/m <sup>3</sup>	1	4/14/2020
1,3,5-Trimethylbenzene	ND	1.8		µg/m <sup>3</sup>	1	4/14/2020
1,3-Butadiene	ND	0.82		µg/m <sup>3</sup>	1	4/14/2020
1,3-Dichlorobenzene	ND	2.2		µg/m <sup>3</sup>	1	4/14/2020
1,4-Dichlorobenzene	ND	2.2		µg/m <sup>3</sup>	1	4/14/2020
1,4-Dioxane	ND	3.3		µg/m <sup>3</sup>	1	4/14/2020
2-Butanone	ND	2.7		µg/m <sup>3</sup>	1	4/14/2020
2-Hexanone	ND	7.6		µg/m <sup>3</sup>	1	4/14/2020
4-Ethyltoluene	ND	1.8		µg/m <sup>3</sup>	1	4/14/2020
4-Methyl-2-pentanone	ND	7.6		µg/m <sup>3</sup>	1	4/14/2020
Acetone	ND	8.8	*	µg/m <sup>3</sup>	1	4/14/2020
Benzene	1.3	1.2		µg/m <sup>3</sup>	1	4/14/2020
Benzyl chloride	ND	4.8		µg/m <sup>3</sup>	1	4/14/2020
Bromodichloromethane	ND	2.5		µg/m <sup>3</sup>	1	4/14/2020
Bromoform	ND	9.6		µg/m <sup>3</sup>	1	4/14/2020
Bromomethane	ND	3.6		µg/m <sup>3</sup>	1	4/14/2020
Carbon disulfide	ND	1.2		µg/m <sup>3</sup>	1	4/14/2020
Carbon tetrachloride	ND	2.3		µg/m <sup>3</sup>	1	4/14/2020
Chlorobenzene	ND	1.7		µg/m <sup>3</sup>	1	4/14/2020
Chloroethane	ND	0.98		µg/m <sup>3</sup>	1	4/14/2020
Chloroform	ND	1.8		µg/m <sup>3</sup>	1	4/14/2020
Chloromethane	ND	1.9		µg/m <sup>3</sup>	1	4/14/2020
cis-1,2-Dichloroethene	ND	1.5		µg/m <sup>3</sup>	1	4/14/2020
cis-1,3-Dichloropropene	ND	1.7		µg/m <sup>3</sup>	1	4/14/2020
Cyclohexane	ND	1.3		µg/m <sup>3</sup>	1	4/14/2020
Dibromochloromethane	ND	3.2		µg/m <sup>3</sup>	1	4/14/2020
Dichlorodifluoromethane	5.0	1.8		µg/m <sup>3</sup>	1	4/14/2020
Ethyl acetate	ND	3.3		µg/m <sup>3</sup>	1	4/14/2020
Ethylbenzene	ND	1.6		µg/m <sup>3</sup>	1	4/14/2020
Freon-113	ND	2.8		µg/m <sup>3</sup>	1	4/14/2020
Freon-114	ND	13		µg/m <sup>3</sup>	1	4/14/2020
Heptane	ND	1.5		µg/m <sup>3</sup>	1	4/14/2020
Hexachlorobutadiene	ND	4.0		µg/m <sup>3</sup>	1	4/14/2020
Hexane	ND	3.3		µg/m <sup>3</sup>	1	4/14/2020
Isopropyl Alcohol	ND	4.6		µg/m <sup>3</sup>	1	4/14/2020
m,p-Xylene	ND	3.2		µg/m <sup>3</sup>	1	4/14/2020
Methyl tert-butyl ether	ND	1.3		µg/m <sup>3</sup>	1	4/14/2020
Methylene chloride	ND	13		µg/m <sup>3</sup>	1	4/14/2020

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

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 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded

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Date Reported: April 15, 2020

Date Printed: April 15, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: 60227

Work Order: 20040346 Revision 0

Collection Date: 4/14/2020 12:00:00 PM

Project: SET - Chicago, Crawford Dust, 3501 S. Pulaski

Matrix: Air

Lab ID: 20040346-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Volatile Organic Compounds in Air by GC/MS TO-15</b>						
				Prep Date: 4/14/2020		Analyst: MAS
Naphthalene	3.3	1.9		µg/m <sup>3</sup>	1	4/14/2020
o-Xylene	ND	1.6		µg/m <sup>3</sup>	1	4/14/2020
Propene	ND	6.4		µg/m <sup>3</sup>	1	4/14/2020
Styrene	ND	1.6		µg/m <sup>3</sup>	1	4/14/2020
Tetrachloroethene	ND	2.5		µg/m <sup>3</sup>	1	4/14/2020
Tetrahydrofuran	ND	2.7		µg/m <sup>3</sup>	1	4/14/2020
Toluene	ND	1.4		µg/m <sup>3</sup>	1	4/14/2020
trans-1,2-Dichloroethene	ND	1.5		µg/m <sup>3</sup>	1	4/14/2020
trans-1,3-Dichloropropene	ND	1.7		µg/m <sup>3</sup>	1	4/14/2020
Trichloroethene	ND	2.0		µg/m <sup>3</sup>	1	4/14/2020
Trichlorofluoromethane	ND	2.1		µg/m <sup>3</sup>	1	4/14/2020
Vinyl acetate	ND	13		µg/m <sup>3</sup>	1	4/14/2020
Vinyl chloride	ND	0.95		µg/m <sup>3</sup>	1	4/14/2020
Xylenes, Total	ND	4.8		µg/m <sup>3</sup>	1	4/14/2020
<b>Volatile Organic Compounds in Air by GC/MS TO-15</b>						
				Prep Date: 4/14/2020		Analyst: MAS
Total Volatile Organic Compounds	460	370	*	µg/m <sup>3</sup>	1	4/14/2020

**Qualifiers:**

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HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

**STAT Analysis Corporation:**

2242 W. Harrison, Suite 200, Chicago, Illinois 60612-3766

Tel: 312.733.0551; Fax: 312.733.2386; e-mail address: STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL 300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: April 15, 2020

Date Printed: April 15, 2020

<b>Client:</b>	CCA	<b>Client Sample ID:</b>	60227
<b>Work Order:</b>	20040346	<b>Tag Number:</b>	
<b>Project:</b>	SET-Chicago, Crawford Dust, 3501 S. Pulaski	<b>Collection Date:</b>	4/14/2020
<b>Lab ID:</b>	20040346-004A	<b>Matrix:</b>	Air

Analyses	$\mu\text{g}/\text{m}^3$	ppbv	Qualifier	DF	Date Analyzed
----------	--------------------------	------	-----------	----	---------------

**Tentatively Identified Compounds (TICS), Volatile Organic in Air by GC/MS TO-15**

1-Propene, 2-methyl-	2.0	0.9	Z*	1	4/14/2020
Butane	6.2	2.6	Z*	1	4/14/2020
1,3-Bis(trimethylsilyl)benzene	3.9	0.4	Z*	1	4/14/2020

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

[illegible]

## Sample Receipt Checklist

Client Name CCA

Date and Time Received: 4/14/2020 1:00:00 PM

Work Order Number 20040346

Received by: EAA

Checklist completed by:

*EL*  
Signature

*4/14/20*  
Date

Reviewed by:

*[Signature]*  
Initials

Date

Matrix:

Carrier name Client Delivered

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments:

Client / Person  
contacted:

Date contacted:

Contacted by:

Response:



**ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY**

Method: EPA/600/R-93/116

Luse Environmental Services  
3990 Enterprise Court  
Aurora, IL 60504  
Phone: (630) 862-2600  
Fax: (630) 862-2673

Reference: Date Received: 04/13/2020  
Location: 3501 S Pulaski Road Date Analyzed: 04/13/2020  
Batch No.: 346788 Date Reported: 04/13/2020  
Customer No.: 898 Turn Around Time: 24 Hour

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
346788001	1	Chrysotile 10-15%	Binder 85-90%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

The use of the NVLAP logo does not imply endorsement by NVLAP or any agency of the US Government.

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This report remains property of STAT Analysis until payment is received in full (see invoice).*

Analyzed by Name :   
Henry Robateau / Microscopist

## Analysis Corporation

2242 W. Harrison, Suite 200, Chicago, Illinois 60612  
e-mail address: [STATinfo@STATAnalysis.com](mailto:STATinfo@STATAnalysis.com)

Phone: (312) 733-0551 Fax: (312) 733-2386

## CHAIN OF CUSTODY RECORD

Page: \_\_\_\_\_ of \_\_\_\_\_

[illegible]

Comments:

ts: Please send results to: John.Smyler@city-of-chicago.org  
\* CALL DAVE Graham for further instruction 312.745.4034  
and Conallie

**STAT** Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

April 15, 2020

Luse Companies  
3990 Enterprise Court  
Aurora, IL 60504  
Telephone: (630) 862-2600  
Fax: (630) 862-2673

Analytical Report for STAT Work Order: 20040303 Revision 0

RE: 3501 S. Pulaski Road

Dear Luse Companies:

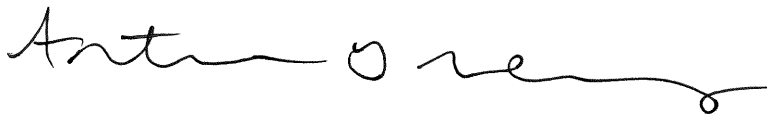
STAT Analysis received 1 sample for the referenced project on 4/13/2020 11:41:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAP standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Antonio Nevarez  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples as received and tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

---

**Client:** Luse Companies  
**Project:** 3501 S. Pulaski Road  
**Work Order:** 20040303 Revision 0

---

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
20040303-001A	1 Coating on Galvanized Siding		4/13/2020 10:05:00 AM	4/13/2020

---

**STAT Analysis Corporation**

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Report Date: April 15, 2020

Print Date: April 15, 2020

**ANALYTICAL RESULTS**

Client: Luse Companies

Client Sample ID: 1 Coating on Galvanized Siding

Work Order: 20040303 Revision 0

Tag Number:

Project: 3501 S. Pulaski Road

Collection Date: 4/13/2020 10:05:00 AM

Lab ID: 20040303-001A

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs in Solid</b>	<b>SW8082A (SW3580A)</b>		Prep Date: 4/14/2020		Analyst: GVC	
Aroclor 1016	ND	0.92		mg/Kg	1	4/14/2020
Aroclor 1221	ND	0.92		mg/Kg	1	4/14/2020
Aroclor 1232	ND	0.92		mg/Kg	1	4/14/2020
Aroclor 1242	ND	0.92		mg/Kg	1	4/14/2020
Aroclor 1248	ND	0.92		mg/Kg	1	4/14/2020
Aroclor 1254	ND	0.92		mg/Kg	1	4/14/2020
Aroclor 1260	9.1	0.92		mg/Kg	1	4/14/2020

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

**CHAIN OF CUSTODY RECORD** Page: \_\_\_\_\_ of \_\_\_\_\_

[illegible]

Comments:

ISS: Please send results to: John.Snyder@city-of-chicago.org  
X CALL DAVE Graham for further instruction 312.745.4834  
on call

### Sample Receipt Checklist

Client Name **LUSE**

Date and Time Received: **4/13/2020 11:41:00 AM**

Work Order Number **20040303**

Received by: **CHB**

Checklist completed by: [Signature] Date **04/13/2020**

Reviewed by: ADU Date **4/13/20**

Matrix:

Carrier name Client Delivered

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments: ADD PCB ANALYSES PER DAVE GRAM VORBA  
04/13/2020 e

Client / Person contacted: \_\_\_\_\_

Date contacted: \_\_\_\_\_

Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_



**Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

AIHA Accreditation # 101160 ; NVLAP Lab Code 101202-0

**BULK ASBESTOS ANALYSIS BY  
TRANSMISSION ELECTRON MICROSCOPY**EPA's "Method for the Determination of Asbestos in Bulk Building Materials"  
(EPA 600/R-93-116 - Section 2.5.5.1)

Luse Environmental Services

3990 Enterprise Court

Aurora, IL 60504

Phone: (630) 862-2600

Fax: (630) 862-2673

Reference:

Location:

Batch No.: 346783

Customer No.: 898

Date Received: 04/13/2020

Date Analyzed: 04/13/2020

Date Reported: 04/13/2020

Turn Around Time: 1 Day

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
346783001	WS-1	ND	Other 100%
346783002	WS-2	ND	Other 100%
346783003	WS-3	ND	Other 100%
346783004	WS-4	ND	Other 100%
346783005	WS-5	ND	Other 100%
346783006	WS-6	ND	Other 100%
346783007	WS-7	ND	Other 100%
346783008	WS-8	ND	Other 100%
346783009	WS-9	ND	Other 100%
346783010	WS-10	ND	Other 100%
346783011	WS-11	ND	Other 100%
346783012	WS-12	ND	Other 100%
346783013	WS-13	ND	Other 100%
346783014	WS-14	ND	Other 100%
346783015	BL	ND	Other 100%

ND = Asbestos Not Detected

NA = Not Analyzed

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This report remains property of STAT Analysis until payment is received in full (see invoice).

## CHAIN OF CUSTODY RECORD

Page: 1 of 2

Per

per discuss

Client:	LUSE Environ. Services	Turn Around:	Immediate:	4 Hrs:	8
Street Address:	3990 Enterprise Court	Date Due:			
City, State, Zip:	Aurora, IL 60504	Batch No.:	346783		
Phone:	630-862-2646	Samples Acceptable:	Yes:	<input checked="" type="checkbox"/>	No:
Fax:		Checked by (Initial/Date):	RX 4/13/20		
e-mail/Alt. Fax:	Sim Chalk	QC by (Initial/Date):			
Project Number:		Reported By (Initial/Date/Time/Method):	RX 4/13/20 EAM		
Project Name:		Comments:	Bulka		
Project Location:					
Project Manager:					
P.O. Number:					

Hrs: <input type="text"/>	24 Hrs: <input type="text"/>	1 Day: <input checked="" type="checkbox"/>	2 Days: <input type="checkbox"/>	3 Days: <input type="checkbox"/>	5 Days: <input type="checkbox"/>
Note: Not all turn around times are available for all analysis.					
Relinquished by: <u>Francisco Flores Silva</u> Date/Time: <u>4/12 10:15</u>					
Received by: <u>Greg Valva</u> Date/Time: <u>10/5/04 4/12/10</u>					
Relinquished by: _____ Date/Time: _____					
Received by: _____ Date/Time: _____					
Relinquished by: _____ Date/Time: _____					
Received by: _____ Date/Time: _____					

Project Location:		Reported By (Initial/Date/Time/Method):																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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Client Sample Number/Description:		Date Taken		Time		Rate (lpm)	Volume (Liters)	Area Wiped (ft <sup>2</sup> )	Laboratory Sample No.	PCM Asbestos	PLM Asbestos (Bulk)	PLM Point Count	PLM Gravimetric	TEM Air Asbestos	TEM Bulk Asbestos	TEM Gravimetric Asb.	TEM Microvac Asb.	TEM Water	Other:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

Comments: Please send results to: Francisco.FloresSilva@CityofChicago.org



# **STAT** Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

April 14, 2020

Luse Companies  
3990 Enterprise Court  
Aurora, IL 60504  
Telephone: (630) 862-2600  
Fax: (630) 862-2673

Analytical Report for STAT Work Order: 20040300 Revision 0

RE: Metals Analysis

Dear Luse Companies:

STAT Analysis received 15 samples for the referenced project on 4/12/2020 10:15:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAP standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Justice Kwateng  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples as received and tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

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**Client:** Luse Companies  
**Project:** Metals Analysis  
**Work Order:** 20040300 Revision 0

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**Work Order Sample Summary**

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Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
20040300-001A	WS-1		4/11/2020 8:56:00 AM	4/12/2020
20040300-002A	WS-2		4/11/2020 9:02:00 AM	4/12/2020
20040300-003A	WS-3		4/11/2020 9:06:00 AM	4/12/2020
20040300-004A	WS-4		4/11/2020 9:11:00 AM	4/12/2020
20040300-005A	WS-5		4/11/2020 9:15:00 AM	4/12/2020
20040300-006A	WS-6		4/11/2020 9:21:00 AM	4/12/2020
20040300-007A	WS-7		4/11/2020 9:25:00 AM	4/12/2020
20040300-008A	WS-8		4/11/2020 9:32:00 AM	4/12/2020
20040300-009A	WS-9		4/11/2020 9:39:00 AM	4/12/2020
20040300-010A	WS-10		4/11/2020 9:43:00 AM	4/12/2020
20040300-011A	WS-11		4/11/2020 10:06:00 AM	4/12/2020
20040300-012A	WS-12		4/11/2020 10:08:00 AM	4/12/2020
20040300-013A	WS-13		4/11/2020 10:23:00 AM	4/12/2020
20040300-014A	WS-14		4/11/2020 10:29:00 AM	4/12/2020
20040300-015A	BC		4/11/2020 10:29:00 AM	4/12/2020

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: April 14, 2020

Date Printed: April 14, 2020

**ANALYTICAL RESULTS**

Client: Luse Companies

Project: Metals Analysis

Work Order: 20040300 Revision 0

Lab ID: 20040300-001

Collection Date: 4/11/2020 8:56:00 AM

Client Sample ID WS-1

Matrix: Paper Towel

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 4/13/2020	Analyst: MDT
Arsenic	ND	2.5		µg/wipe	10	4/13/2020
Barium	17	2.5		µg/wipe	10	4/13/2020
Cadmium	ND	2.5		µg/wipe	10	4/13/2020
Chromium	ND	12		µg/wipe	10	4/13/2020
Lead	4.0	2.5		µg/wipe	10	4/13/2020
Selenium	ND	2.5		µg/wipe	10	4/13/2020
Silver	ND	2.5		µg/wipe	10	4/13/2020

Lab ID: 20040300-002

Collection Date: 4/11/2020 9:02:00 AM

Client Sample ID WS-2

Matrix: Paper Towel

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 4/13/2020	Analyst: MDT
Arsenic	ND	2.5		µg/wipe	10	4/13/2020
Barium	18	2.5		µg/wipe	10	4/13/2020
Cadmium	ND	2.5		µg/wipe	10	4/13/2020
Chromium	ND	12		µg/wipe	10	4/13/2020
Lead	3.1	2.5		µg/wipe	10	4/13/2020
Selenium	ND	2.5		µg/wipe	10	4/13/2020
Silver	ND	2.5		µg/wipe	10	4/13/2020

Lab ID: 20040300-003

Collection Date: 4/11/2020 9:06:00 AM

Client Sample ID WS-3

Matrix: Paper Towel

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 4/13/2020	Analyst: MDT
Arsenic	ND	2.5		µg/wipe	10	4/13/2020
Barium	6.5	2.5		µg/wipe	10	4/13/2020
Cadmium	ND	2.5		µg/wipe	10	4/13/2020
Chromium	ND	12		µg/wipe	10	4/13/2020
Lead	ND	2.5		µg/wipe	10	4/13/2020
Selenium	ND	2.5		µg/wipe	10	4/13/2020
Silver	ND	2.5		µg/wipe	10	4/13/2020

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

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Date Reported: April 14, 2020

Date Printed: April 14, 2020

**ANALYTICAL RESULTS**

Client: Luse Companies

Project: Metals Analysis

Work Order: 20040300 Revision 0

Lab ID: 20040300-004

Collection Date: 4/11/2020 9:11:00 AM

Client Sample ID WS-4

Matrix: Paper Towel

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 4/13/2020	Analyst: MDT
Arsenic	ND	2.5		µg/wipe	10	4/13/2020
Barium	5.4	2.5		µg/wipe	10	4/13/2020
Cadmium	ND	2.5		µg/wipe	10	4/13/2020
Chromium	ND	12		µg/wipe	10	4/13/2020
Lead	ND	2.5		µg/wipe	10	4/13/2020
Selenium	ND	2.5		µg/wipe	10	4/13/2020
Silver	ND	2.5		µg/wipe	10	4/13/2020

Lab ID: 20040300-005

Collection Date: 4/11/2020 9:15:00 AM

Client Sample ID WS-5

Matrix: Paper Towel

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 4/13/2020	Analyst: MDT
Arsenic	ND	2.5		µg/wipe	10	4/13/2020
Barium	3.4	2.5		µg/wipe	10	4/13/2020
Cadmium	ND	2.5		µg/wipe	10	4/13/2020
Chromium	ND	12		µg/wipe	10	4/13/2020
Lead	ND	2.5		µg/wipe	10	4/13/2020
Selenium	ND	2.5		µg/wipe	10	4/13/2020
Silver	ND	2.5		µg/wipe	10	4/13/2020

Lab ID: 20040300-006

Collection Date: 4/11/2020 9:21:00 AM

Client Sample ID WS-6

Matrix: Paper Towel

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 4/13/2020	Analyst: MDT
Arsenic	ND	2.5		µg/wipe	10	4/13/2020
Barium	13	2.5		µg/wipe	10	4/13/2020
Cadmium	ND	2.5		µg/wipe	10	4/13/2020
Chromium	ND	12		µg/wipe	10	4/13/2020
Lead	6.7	2.5		µg/wipe	10	4/13/2020
Selenium	ND	2.5		µg/wipe	10	4/13/2020
Silver	ND	2.5		µg/wipe	10	4/13/2020

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Date Reported: April 14, 2020

Date Printed: April 14, 2020

**ANALYTICAL RESULTS**

Client: Luse Companies

Project: Metals Analysis

Work Order: 20040300 Revision 0

Lab ID: 20040300-007

Collection Date: 4/11/2020 9:25:00 AM

Client Sample ID WS-7

Matrix: Paper Towel

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 4/13/2020	Analyst: MDT
Arsenic	ND	2.5		µg/wipe	10	4/14/2020
Barium	12	2.5		µg/wipe	10	4/14/2020
Cadmium	ND	2.5		µg/wipe	10	4/14/2020
Chromium	ND	12		µg/wipe	10	4/14/2020
Lead	7.6	2.5		µg/wipe	10	4/14/2020
Selenium	ND	2.5		µg/wipe	10	4/14/2020
Silver	ND	2.5		µg/wipe	10	4/14/2020

Lab ID: 20040300-008

Collection Date: 4/11/2020 9:32:00 AM

Client Sample ID WS-8

Matrix: Paper Towel

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 4/13/2020	Analyst: MDT
Arsenic	ND	2.5		µg/wipe	10	4/14/2020
Barium	8.6	2.5		µg/wipe	10	4/14/2020
Cadmium	ND	2.5		µg/wipe	10	4/14/2020
Chromium	ND	12		µg/wipe	10	4/14/2020
Lead	10	2.5		µg/wipe	10	4/14/2020
Selenium	ND	2.5		µg/wipe	10	4/14/2020
Silver	ND	2.5		µg/wipe	10	4/14/2020

Lab ID: 20040300-009

Collection Date: 4/11/2020 9:39:00 AM

Client Sample ID WS-9

Matrix: Paper Towel

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 4/13/2020	Analyst: MDT
Arsenic	ND	2.5		µg/wipe	10	4/14/2020
Barium	8.6	2.5		µg/wipe	10	4/14/2020
Cadmium	ND	2.5		µg/wipe	10	4/14/2020
Chromium	ND	12		µg/wipe	10	4/14/2020
Lead	ND	2.5		µg/wipe	10	4/14/2020
Selenium	ND	2.5		µg/wipe	10	4/14/2020
Silver	ND	2.5		µg/wipe	10	4/14/2020

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded



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Date Reported: April 14, 2020

Date Printed: April 14, 2020

**ANALYTICAL RESULTS**

Client: Luse Companies

Project: Metals Analysis

Work Order: 20040300 Revision 0

Lab ID: 20040300-010

Collection Date: 4/11/2020 9:43:00 AM

Client Sample ID WS-10

Matrix: Paper Towel

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 4/13/2020	Analyst: MDT
Arsenic	ND	2.5		µg/wipe	10	4/14/2020
Barium	11	2.5		µg/wipe	10	4/14/2020
Cadmium	ND	2.5		µg/wipe	10	4/14/2020
Chromium	ND	12		µg/wipe	10	4/14/2020
Lead	2.7	2.5		µg/wipe	10	4/14/2020
Selenium	ND	2.5		µg/wipe	10	4/14/2020
Silver	ND	2.5		µg/wipe	10	4/14/2020

Lab ID: 20040300-011

Collection Date: 4/11/2020 10:06:00 AM

Client Sample ID WS-11

Matrix: Paper Towel

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 4/13/2020	Analyst: MDT
Arsenic	ND	2.5		µg/wipe	10	4/14/2020
Barium	5.9	2.5		µg/wipe	10	4/14/2020
Cadmium	ND	2.5		µg/wipe	10	4/14/2020
Chromium	ND	12		µg/wipe	10	4/14/2020
Lead	ND	2.5		µg/wipe	10	4/14/2020
Selenium	ND	2.5		µg/wipe	10	4/14/2020
Silver	ND	2.5		µg/wipe	10	4/14/2020

Lab ID: 20040300-012

Collection Date: 4/11/2020 10:08:00 AM

Client Sample ID WS-12

Matrix: Paper Towel

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 4/13/2020	Analyst: MDT
Arsenic	ND	2.5		µg/wipe	10	4/14/2020
Barium	8.7	2.5		µg/wipe	10	4/14/2020
Cadmium	ND	2.5		µg/wipe	10	4/14/2020
Chromium	ND	12		µg/wipe	10	4/14/2020
Lead	5.1	2.5		µg/wipe	10	4/14/2020
Selenium	ND	2.5		µg/wipe	10	4/14/2020
Silver	ND	2.5		µg/wipe	10	4/14/2020

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

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Date Reported: April 14, 2020

Date Printed: April 14, 2020

**ANALYTICAL RESULTS**

Client: Luse Companies

Project: Metals Analysis

Work Order: 20040300 Revision 0

Lab ID: 20040300-013

Collection Date: 4/11/2020 10:23:00 AM

Client Sample ID WS-13

Matrix: Paper Towel

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 4/13/2020	Analyst: MDT
Arsenic	ND	2.5		µg/wipe	10	4/14/2020
Barium	3.5	2.5		µg/wipe	10	4/14/2020
Cadmium	ND	2.5		µg/wipe	10	4/14/2020
Chromium	ND	12		µg/wipe	10	4/14/2020
Lead	ND	2.5		µg/wipe	10	4/14/2020
Selenium	ND	2.5		µg/wipe	10	4/14/2020
Silver	ND	2.5		µg/wipe	10	4/14/2020

Lab ID: 20040300-014

Collection Date: 4/11/2020 10:29:00 AM

Client Sample ID WS-14

Matrix: Paper Towel

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 4/13/2020	Analyst: MDT
Arsenic	ND	2.5		µg/wipe	10	4/14/2020
Barium	9.8	2.5		µg/wipe	10	4/14/2020
Cadmium	ND	2.5		µg/wipe	10	4/14/2020
Chromium	ND	12		µg/wipe	10	4/14/2020
Lead	ND	2.5		µg/wipe	10	4/14/2020
Selenium	ND	2.5		µg/wipe	10	4/14/2020
Silver	ND	2.5		µg/wipe	10	4/14/2020

Lab ID: 20040300-015

Collection Date: 4/11/2020 10:29:00 AM

Client Sample ID BC

Matrix: Paper Towel

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>				Prep Date: 4/13/2020	Analyst: MDT
Arsenic	ND	2.5		µg/wipe	10	4/14/2020
Barium	4.2	2.5		µg/wipe	10	4/14/2020
Cadmium	ND	2.5		µg/wipe	10	4/14/2020
Chromium	ND	12		µg/wipe	10	4/14/2020
Lead	ND	2.5		µg/wipe	10	4/14/2020
Selenium	ND	2.5		µg/wipe	10	4/14/2020
Silver	ND	2.5		µg/wipe	10	4/14/2020

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

Client:	LUSE Environ. Services
Street Address:	3990 Enterprise Court
City, State, Zip:	Aurora, IL 60504
Phone:	630-862-2646
Fax:	
e-mail/Alt. Fax:	Sim Choike
Project Number:	
Project Name:	
Project Location:	
Project Manager:	
P.O. Number:	

Turn Around:  4 Hrs:  8 Hrs:  24 Hrs:  1 Day: ☒ 2 Days: ☐ 3 Days: ☐ 5 Days: ☐

Date Due: \_\_\_\_\_ Time Due: \_\_\_\_\_

Note: Not all turn around times are available for all analysis.

**OFFICE USE ONLY BELOW:**

Batch No.: 20040300

Samples Acceptable: ☒ Yes: ☐ No: ☐  
 Checked by (Initial/Date): JAK 4/14/20  
 QC by (Initial/Date):

Reported By (Initial/Date/Time/Method):

Comments:

Client Sample Number/Description:	Date Taken	Time		Rate (lpm)	Volume (Liters)	Area Wiped (ft <sup>2</sup> )	Laboratory Sample No.	PCM Asst	PLM Asst	PLM Pos	PLM Grt	TEM Airt	TEM Bu	TEM Grt	TEM Mtr	TEM Wtr	Other:	Analysis
		On	Off															
WS-1	4/11/20	8:56 p.m.	8:56 p.m.				001		X				X					X
WS-2	4/11/20	9:02 p.m.	9:02 p.m.				002		X				X					X
WS-3	4/11/20	9:06 p.m.	9:06 p.m.				003		X				X					X
WS-4	4/11/20	9:11 p.m.	9:11 p.m.				004		X				X					X
WS-5	4/11/20	9:15 p.m.	9:15 p.m.				005		X				X					X
WS-6	4/11/20	9:21 p.m.	9:22 p.m.				006		X				X					X
WS-7	4/11/20	9:25 p.m.	9:25 p.m.				007		X				X					X
WS-8	4/11/20	9:32 p.m.	9:32 p.m.				008		X				X					X
WS-9	4/11/20	9:34 p.m.	9:34 p.m.				009		X				X					X
WS-10	4/11/20	9:43 p.m.	9:43 p.m.				010		X				X					X
WS-11	4/11/20	10:06 p.m.	10:06 p.m.				011		X				X					X
WS-12	4/11/20	10:08 p.m.	10:08 p.m.				012		X				X					X
WS-13	4/11/20	10:23 p.m.	10:23 p.m.				013		X				X					X

Comments: Please send results to: Francisco.Flores.Silva@CityofChicago.org



**Sample Receipt Checklist**

Client Name **LUSE**

Date and Time Received: **4/12/2020 10:15:00 AM**

Work Order Number **20040300**

Received by: **GVC**

Checklist completed by: EL 4/12/20  
Signature Date

Reviewed by: Loa 4/10/20  
Initials Date

Matrix: Carrier name Client Delivered

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments: \*PER DISCUSSION WITH DAVE GRAHAM, CANCEL MERCURY ANALYSES  
(1 WIFE RECEIVED PER SAMPLE LOCATION) - 04/13/2020

Client / Person contacted: \_\_\_\_\_ Date contacted: \_\_\_\_\_ Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_

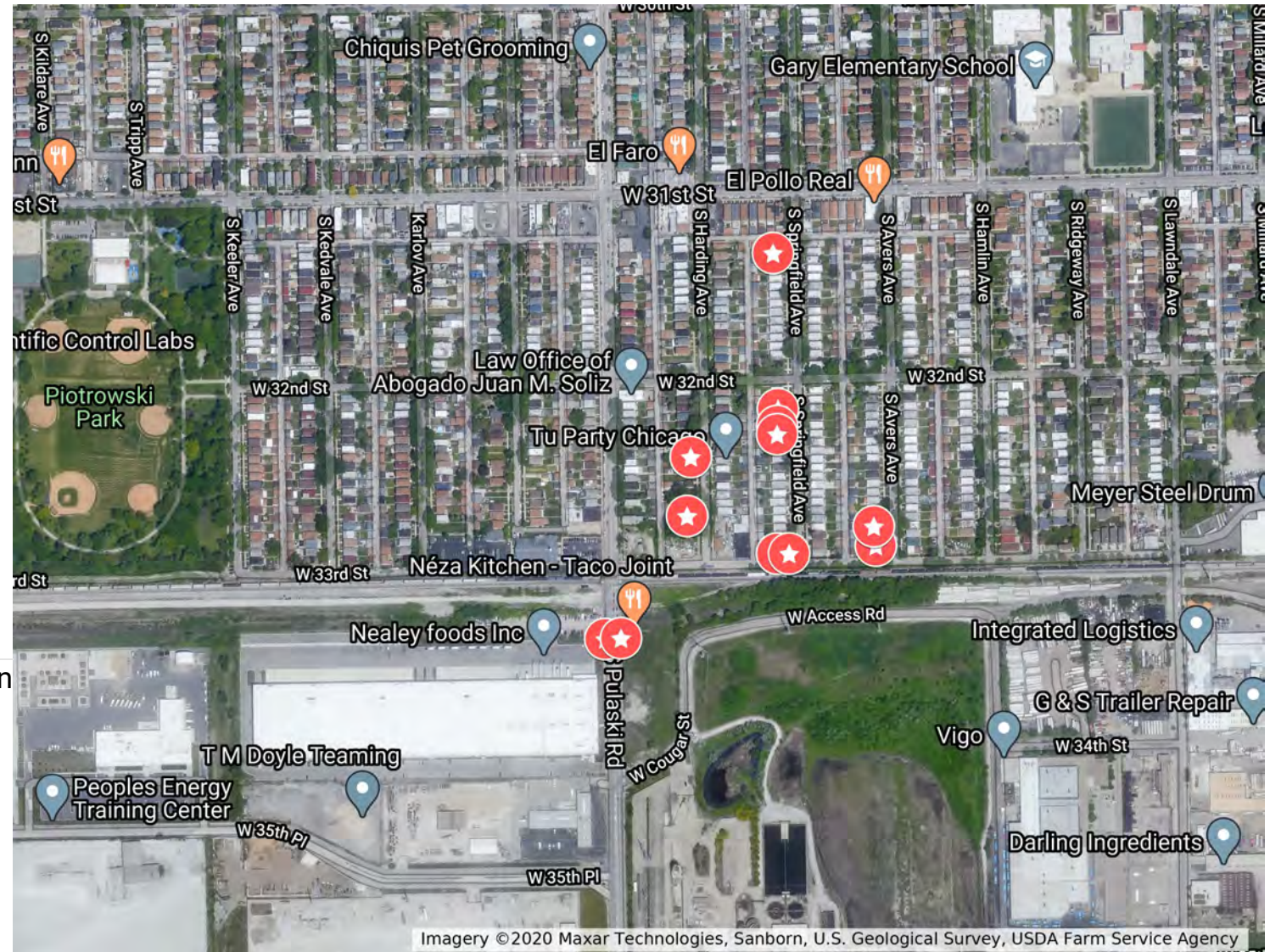


# Dust Sampling Site Locations

## Sample Sites

- ★ Sample Site 1
- ★ Sample Site 2
- ★ Sample Site 3
- ★ Sample Site 4
- ★ Sample Site 5
- ★ Sample Site 6
- ★ Sample Site 7
- ★ Sample Site 8
- ★ Sample Site 9
- ★ Sample Site 10
- ★ Sample Site 11
- ★ Sample Site 12
- ★ Sample Site 13
- ★ Sample Site 14

14 dust sample locations taken off vehicles.

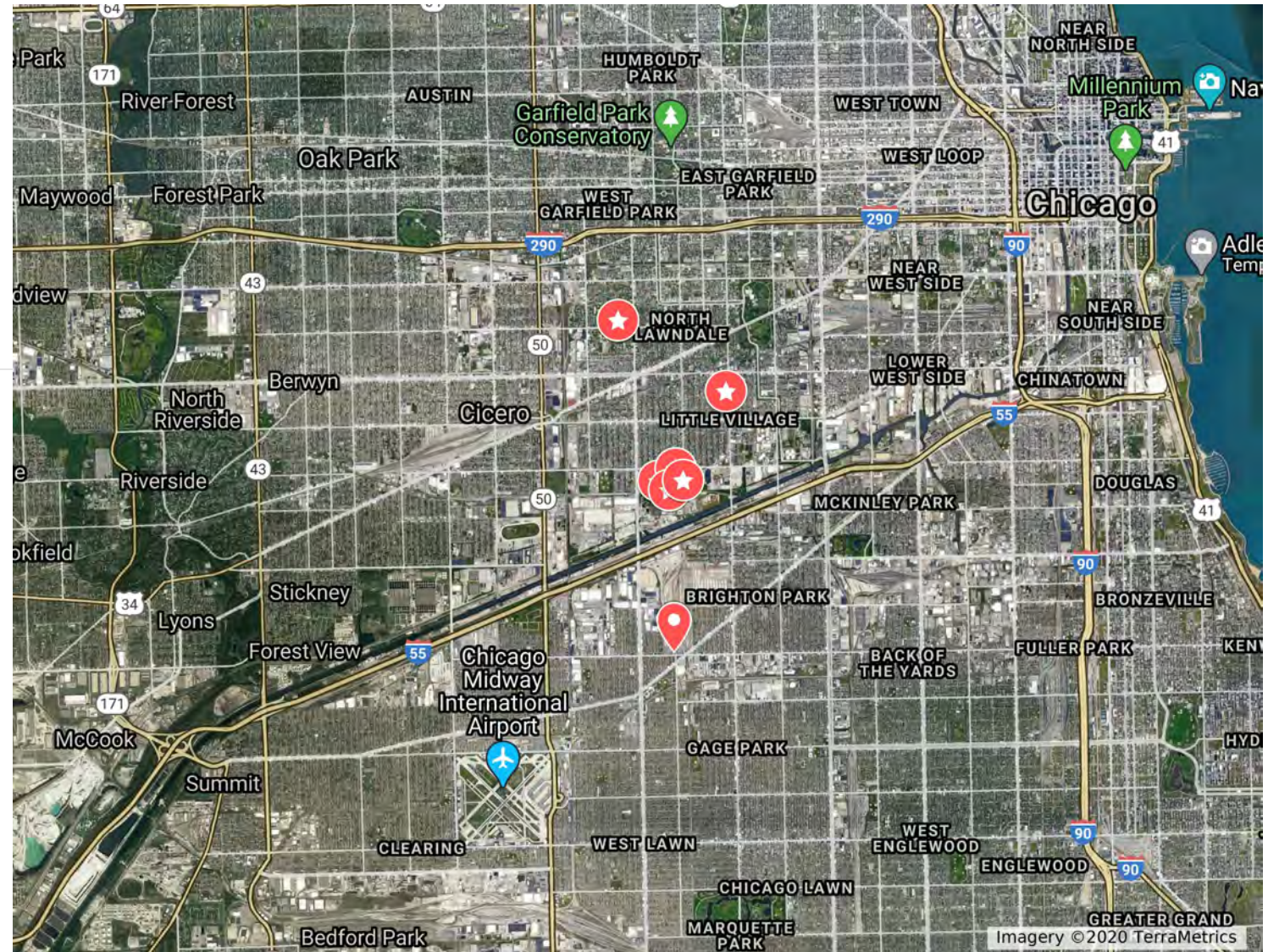




## Dust Tracker Locations

## Dust Tracker Locations

- Dust Tracker
- Dust Tracker
- Dust Tracker
- Dust Tracker
- Dust Tracker
- Dust Tracker
- Dust Tracker





Page: \_\_\_\_\_ of \_\_\_\_\_  
**CHAIN OF CUSTODY RECORD**[illegible]

Comments:



**STAT Analysis Corporation**

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

AIHA Accreditation # 101160 ; NVLAP Lab Code 101202-0

**BULK ASBESTOS ANALYSIS BY  
TRANSMISSION ELECTRON MICROSCOPY**EPA's "Method for the Determination of Asbestos in Bulk Building Materials"  
(EPA 600/R-93-116 - Section 2.5.5.1)Marine Technology Solutions  
333 South Market Street, Suite B  
Selinsgrove, PA 17870  
Phone: (570) 374-2081

Reference:	18-101	Date Received:	06/13/2019
Location:	Crawford Generating Plant	Date Analyzed:	06/14/2019
Batch No.:	342423	Date Reported:	06/14/2019
Customer No.:	4465	Turn Around Time:	1 Day

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
342423001	2-0021-19	ND	Other 100%
342423002	2-0022-19	ND	Other 100%

ND = Asbestos Not Detected

NA = Not Analyzed

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## **Stack Sampling Photography**

### **Initial Cut through Metal Revealing Melted Fiberglass**



**Expanded Cut Showing Metal Interior Layer, Fiberglass, Chickwire and Inside of Concrete**



**NOTE: First cut was in upper left hand corner of the opening made.**



**Final Picture Showing Void between Chickwire and Outer Shell**



**Note: There is approximately 4" - 6" between outer shell and chickenwire**

**STAT** Analysis Corporation

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

April 16, 2020

Carnow, Conibear, & Associates  
600 W. Van Buren Street  
Chicago, IL 60607

Telephone: (312) 782-4486  
Fax: (312) 782-5145

Analytical Report for STAT Work Order: 20040320 Revision 0

RE: RH-SET-Chicago, SET Generating Station, 3501 S. Pulaski

Dear Carnow, Conibear, & Associates:

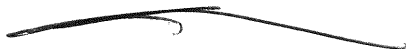
STAT Analysis received 14 samples for the referenced project on 4/13/2020 3:40:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAP standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Craig Chawla  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples as received and tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

---

**Client:** Carnow, Conibear, & Associates**Project:** RH-SET-Chicago, SET Generating Station, 3501 S. Pul**Work Order Sample Summary****Work Order:** 20040320 Revision 0

---

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
20040320-001A	RH-413-001		4/13/2020 12:00:00 PM	4/13/2020
20040320-002A	RH-413-002		4/13/2020 12:10:00 PM	4/13/2020
20040320-003A	RH-413-003		4/13/2020 12:20:00 PM	4/13/2020
20040320-004A	RH-413-004		4/13/2020 12:25:00 PM	4/13/2020
20040320-005A	RH-413-005		4/13/2020 12:35:00 PM	4/13/2020
20040320-006A	RH-413-006		4/13/2020 12:45:00 PM	4/13/2020
20040320-007A	RH-413-007		4/13/2020 12:55:00 PM	4/13/2020
20040320-008A	RH-413-008		4/13/2020 1:00:00 PM	4/13/2020
20040320-009A	RH-413-009		4/13/2020 1:10:00 PM	4/13/2020
20040320-010A	RH-413-010		4/13/2020 1:15:00 PM	4/13/2020
20040320-011A	#60322		4/13/2020 2:00:00 PM	4/13/2020
20040320-012A	#60277		4/13/2020 2:15:00 PM	4/13/2020
20040320-013A	#60259		4/13/2020 2:40:00 PM	4/13/2020
20040320-014A	#60300		4/13/2020 2:50:00 PM	4/13/2020

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-001

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:00:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 4/14/2020 Analyst: DM</b>						
Acenaphthene	0.039	0.036		mg/Kg-dry	1	4/14/2020
Acenaphthylene	ND	0.036		mg/Kg-dry	1	4/14/2020
Aniline	ND	0.36		mg/Kg-dry	1	4/14/2020
Anthracene	0.13	0.036		mg/Kg-dry	1	4/14/2020
Benz(a)anthracene	0.42	0.036		mg/Kg-dry	1	4/14/2020
Benzidine	ND	0.36		mg/Kg-dry	1	4/14/2020
Benzo(a)pyrene	0.36	0.036		mg/Kg-dry	1	4/14/2020
Benzo(b)fluoranthene	0.37	0.036		mg/Kg-dry	1	4/14/2020
Benzo(g,h,i)perylene	0.21	0.036		mg/Kg-dry	1	4/14/2020
Benzo(k)fluoranthene	0.31	0.036		mg/Kg-dry	1	4/14/2020
Benzoic acid	ND	0.91		mg/Kg-dry	1	4/14/2020
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	4/14/2020
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	4/14/2020
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	4/14/2020
Bis(2-ethylhexyl)phthalate	ND	0.91		mg/Kg-dry	1	4/14/2020
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	4/14/2020
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	4/14/2020
Carbazole	ND	0.19		mg/Kg-dry	1	4/14/2020
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	4/14/2020
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	4/14/2020
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	4/14/2020
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	4/14/2020
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	4/14/2020
Chrysene	0.44	0.036		mg/Kg-dry	1	4/14/2020
Dibenz(a,h)anthracene	0.10	0.036		mg/Kg-dry	1	4/14/2020
Dibenzofuran	ND	0.19		mg/Kg-dry	1	4/14/2020
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	4/14/2020
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	4/14/2020
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	4/14/2020
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	4/14/2020
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	4/14/2020
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	4/14/2020
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	4/14/2020
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	4/14/2020
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	4/14/2020
2,4-Dinitrophenol	ND	0.91		mg/Kg-dry	1	4/14/2020
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	4/14/2020
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	4/14/2020

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-001

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:00:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>		Prep Date: 4/14/2020		Analyst: DM	
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	4/14/2020
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	4/14/2020
Fluoranthene	0.86	0.036		mg/Kg-dry	1	4/14/2020
Fluorene	0.051	0.036		mg/Kg-dry	1	4/14/2020
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	4/14/2020
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	4/14/2020
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	4/14/2020
Hexachloroethane	ND	0.19		mg/Kg-dry	1	4/14/2020
Indeno(1,2,3-cd)pyrene	0.19	0.036		mg/Kg-dry	1	4/14/2020
Isophorone	ND	0.19		mg/Kg-dry	1	4/14/2020
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	4/14/2020
2-Methylphenol	ND	0.19		mg/Kg-dry	1	4/14/2020
4-Methylphenol	ND	0.19		mg/Kg-dry	1	4/14/2020
Naphthalene	ND	0.036		mg/Kg-dry	1	4/14/2020
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	4/14/2020
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	4/14/2020
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	4/14/2020
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	4/14/2020
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	4/14/2020
Nitrobenzene	ND	0.036		mg/Kg-dry	1	4/14/2020
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	4/14/2020
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	4/14/2020
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	4/14/2020
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	4/14/2020
Pentachlorophenol	ND	0.073		mg/Kg-dry	1	4/14/2020
Phenanthrene	0.51	0.036		mg/Kg-dry	1	4/14/2020
Phenol	ND	0.19		mg/Kg-dry	1	4/14/2020
Pyrene	0.69	0.036		mg/Kg-dry	1	4/14/2020
Pyridine	ND	0.73		mg/Kg-dry	1	4/14/2020
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	4/14/2020
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	4/14/2020
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	4/14/2020
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>		Prep Date: 4/13/2020		Analyst: GVC	
Aroclor 1016	ND	0.088		mg/Kg-dry	1	4/14/2020
Aroclor 1221	ND	0.088		mg/Kg-dry	1	4/14/2020
Aroclor 1232	ND	0.088		mg/Kg-dry	1	4/14/2020
Aroclor 1242	ND	0.088		mg/Kg-dry	1	4/14/2020
Aroclor 1248	ND	0.088		mg/Kg-dry	1	4/14/2020

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded



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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-001

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:00:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				Prep Date: 4/13/2020	Analyst: GVC
Aroclor 1254	0.18	0.088		mg/Kg-dry	1	4/14/2020
Aroclor 1260	0.11	0.088		mg/Kg-dry	1	4/14/2020
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>				Prep Date: 4/13/2020	Analyst: GVC
4,4'-DDD	ND	0.0018		mg/Kg-dry	1	4/14/2020
4,4'-DDE	ND	0.0018		mg/Kg-dry	1	4/14/2020
4,4'-DDT	ND	0.0018		mg/Kg-dry	1	4/14/2020
Aldrin	ND	0.0018		mg/Kg-dry	1	4/14/2020
alpha-BHC	ND	0.0018		mg/Kg-dry	1	4/14/2020
alpha-Chlordane	ND	0.0018		mg/Kg-dry	1	4/14/2020
beta-BHC	ND	0.0018		mg/Kg-dry	1	4/14/2020
Chlordane	ND	0.018		mg/Kg-dry	1	4/14/2020
delta-BHC	ND	0.0018		mg/Kg-dry	1	4/14/2020
Dieldrin	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endosulfan I	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endosulfan II	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endosulfan sulfate	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endrin	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endrin aldehyde	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endrin ketone	ND	0.0018		mg/Kg-dry	1	4/14/2020
gamma-BHC	ND	0.0018		mg/Kg-dry	1	4/14/2020
gamma-Chlordane	ND	0.0018		mg/Kg-dry	1	4/14/2020
Heptachlor	ND	0.0018		mg/Kg-dry	1	4/14/2020
Heptachlor epoxide	ND	0.0018		mg/Kg-dry	1	4/14/2020
Methoxychlor	ND	0.0018		mg/Kg-dry	1	4/14/2020
Toxaphene	ND	0.036		mg/Kg-dry	1	4/14/2020
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>				Prep Date: 4/14/2020	Analyst: MDT
Aluminum	4500	37		mg/Kg-dry	20	4/14/2020
Antimony	4.1	3.7		mg/Kg-dry	20	4/14/2020
Arsenic	73	1.9		mg/Kg-dry	20	4/14/2020
Barium	290	1.9		mg/Kg-dry	20	4/14/2020
Beryllium	ND	0.93		mg/Kg-dry	20	4/14/2020
Cadmium	5.9	0.93		mg/Kg-dry	20	4/14/2020
Calcium	62000	110		mg/Kg-dry	20	4/14/2020
Chromium	72	1.9		mg/Kg-dry	20	4/14/2020
Cobalt	22	1.9		mg/Kg-dry	20	4/14/2020
Copper	350	4.6		mg/Kg-dry	20	4/14/2020
Iron	180000	56		mg/Kg-dry	20	4/14/2020

**Qualifiers:**

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 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-001

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:00:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 4/14/2020 Analyst: MDT
Lead	1800	0.93		mg/Kg-dry	20	4/14/2020
Magnesium	22000	56		mg/Kg-dry	20	4/14/2020
Manganese	1100	1.9		mg/Kg-dry	20	4/14/2020
Nickel	99	1.9		mg/Kg-dry	20	4/14/2020
Potassium	830	56		mg/Kg-dry	20	4/14/2020
Selenium	ND	1.9		mg/Kg-dry	20	4/14/2020
Silver	ND	1.9		mg/Kg-dry	20	4/14/2020
Sodium	820	110		mg/Kg-dry	20	4/14/2020
Thallium	2.0	1.9		mg/Kg-dry	20	4/14/2020
Vanadium	11	1.9		mg/Kg-dry	20	4/14/2020
Zinc	580	9.3		mg/Kg-dry	20	4/14/2020
<b>Mercury</b>	<b>SW7471B</b>					Prep Date: 4/14/2020 Analyst: LB
Mercury	0.28	0.021		mg/Kg-dry	1	4/14/2020
<b>Cyanide, Total</b>	<b>SW9012A</b>					Prep Date: 4/14/2020 Analyst: CAB
Cyanide	ND	0.27		mg/Kg-dry	1	4/14/2020
<b>pH (25 °C)</b>	<b>SW9045C</b>					Prep Date: 4/13/2020 Analyst: JAR
pH	8.59			pH Units	1	4/13/2020
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 4/14/2020 Analyst: FN
Percent Moisture	8.6	0.2	*	wt%	1	4/14/2020
<b>Asbestos Analysis by TEM</b>	<b>EPA600/R-93/116</b>					Prep Date: Analyst: RJS
Chrysotile	<1			%	1	7/13/2020

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-002

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:10:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 4/14/2020 Analyst: DM</b>						
Acenaphthene	0.057	0.039		mg/Kg-dry	1	4/14/2020
Acenaphthylene	ND	0.039		mg/Kg-dry	1	4/14/2020
Aniline	ND	0.39		mg/Kg-dry	1	4/14/2020
Anthracene	0.18	0.039		mg/Kg-dry	1	4/14/2020
Benz(a)anthracene	0.71	0.039		mg/Kg-dry	1	4/14/2020
Benzdine	ND	0.39		mg/Kg-dry	1	4/14/2020
Benzo(a)pyrene	0.55	0.039		mg/Kg-dry	1	4/14/2020
Benzo(b)fluoranthene	0.57	0.039		mg/Kg-dry	1	4/14/2020
Benzo(g,h,i)perylene	0.31	0.039		mg/Kg-dry	1	4/14/2020
Benzo(k)fluoranthene	0.46	0.039		mg/Kg-dry	1	4/14/2020
Benzoic acid	ND	0.97		mg/Kg-dry	1	4/14/2020
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	4/14/2020
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	4/14/2020
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	4/14/2020
Bis(2-ethylhexyl)phthalate	ND	0.97		mg/Kg-dry	1	4/14/2020
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/14/2020
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	4/14/2020
Carbazole	ND	0.20		mg/Kg-dry	1	4/14/2020
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	4/14/2020
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	4/14/2020
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	4/14/2020
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	4/14/2020
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/14/2020
Chrysene	0.75	0.039		mg/Kg-dry	1	4/14/2020
Dibenz(a,h)anthracene	0.16	0.039		mg/Kg-dry	1	4/14/2020
Dibenzofuran	ND	0.20		mg/Kg-dry	1	4/14/2020
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/14/2020
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/14/2020
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/14/2020
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	4/14/2020
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	4/14/2020
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	4/14/2020
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	4/14/2020
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	4/14/2020
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	4/14/2020
2,4-Dinitrophenol	ND	0.97		mg/Kg-dry	1	4/14/2020
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	4/14/2020
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	4/14/2020

**Qualifiers:**

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-002

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:10:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>		Prep Date: 4/14/2020		Analyst: DM	
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	4/14/2020
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	4/14/2020
Fluoranthene	1.3	0.039		mg/Kg-dry	1	4/14/2020
Fluorene	0.071	0.039		mg/Kg-dry	1	4/14/2020
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	4/14/2020
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	4/14/2020
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	4/14/2020
Hexachloroethane	ND	0.20		mg/Kg-dry	1	4/14/2020
Indeno(1,2,3-cd)pyrene	0.30	0.039		mg/Kg-dry	1	4/14/2020
Isophorone	ND	0.20		mg/Kg-dry	1	4/14/2020
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	4/14/2020
2-Methylphenol	ND	0.20		mg/Kg-dry	1	4/14/2020
4-Methylphenol	ND	0.20		mg/Kg-dry	1	4/14/2020
Naphthalene	ND	0.039		mg/Kg-dry	1	4/14/2020
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/14/2020
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/14/2020
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/14/2020
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	4/14/2020
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	4/14/2020
Nitrobenzene	ND	0.039		mg/Kg-dry	1	4/14/2020
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	4/14/2020
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	4/14/2020
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	4/14/2020
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	4/14/2020
Pentachlorophenol	ND	0.078		mg/Kg-dry	1	4/14/2020
Phenanthrene	0.69	0.039		mg/Kg-dry	1	4/14/2020
Phenol	ND	0.20		mg/Kg-dry	1	4/14/2020
Pyrene	1.1	0.039		mg/Kg-dry	1	4/14/2020
Pyridine	ND	0.78		mg/Kg-dry	1	4/14/2020
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	4/14/2020
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/14/2020
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/14/2020
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>		Prep Date: 4/13/2020		Analyst: GVC	
Aroclor 1016	ND	0.094		mg/Kg-dry	1	4/14/2020
Aroclor 1221	ND	0.094		mg/Kg-dry	1	4/14/2020
Aroclor 1232	ND	0.094		mg/Kg-dry	1	4/14/2020
Aroclor 1242	0.19	0.094		mg/Kg-dry	1	4/14/2020
Aroclor 1248	ND	0.094		mg/Kg-dry	1	4/14/2020

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-002

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:10:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>			Prep Date: 4/13/2020		Analyst: GVC
Aroclor 1254	0.34	0.094		mg/Kg-dry	1	4/14/2020
Aroclor 1260	0.20	0.094		mg/Kg-dry	1	4/14/2020
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 4/13/2020		Analyst: GVC
4,4'-DDD	ND	0.0019		mg/Kg-dry	1	4/14/2020
4,4'-DDE	ND	0.0019		mg/Kg-dry	1	4/14/2020
4,4'-DDT	ND	0.0019		mg/Kg-dry	1	4/14/2020
Aldrin	ND	0.0019		mg/Kg-dry	1	4/14/2020
alpha-BHC	ND	0.0019		mg/Kg-dry	1	4/14/2020
alpha-Chlordane	ND	0.0019		mg/Kg-dry	1	4/14/2020
beta-BHC	ND	0.0019		mg/Kg-dry	1	4/14/2020
Chlordane	ND	0.019		mg/Kg-dry	1	4/14/2020
delta-BHC	ND	0.0019		mg/Kg-dry	1	4/14/2020
Dieldrin	ND	0.0019		mg/Kg-dry	1	4/14/2020
Endosulfan I	ND	0.0019		mg/Kg-dry	1	4/14/2020
Endosulfan II	ND	0.0019		mg/Kg-dry	1	4/14/2020
Endosulfan sulfate	ND	0.0019		mg/Kg-dry	1	4/14/2020
Endrin	ND	0.0019		mg/Kg-dry	1	4/14/2020
Endrin aldehyde	ND	0.0019		mg/Kg-dry	1	4/14/2020
Endrin ketone	ND	0.0019		mg/Kg-dry	1	4/14/2020
gamma-BHC	ND	0.0019		mg/Kg-dry	1	4/14/2020
gamma-Chlordane	ND	0.0019		mg/Kg-dry	1	4/14/2020
Heptachlor	ND	0.0019		mg/Kg-dry	1	4/14/2020
Heptachlor epoxide	ND	0.0019		mg/Kg-dry	1	4/14/2020
Methoxychlor	ND	0.0019		mg/Kg-dry	1	4/14/2020
Toxaphene	ND	0.039		mg/Kg-dry	1	4/14/2020
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 4/14/2020		Analyst: MDT
Aluminum	6000	41		mg/Kg-dry	20	4/14/2020
Antimony	ND	4.1		mg/Kg-dry	20	4/14/2020
Arsenic	170	2.0		mg/Kg-dry	20	4/14/2020
Barium	300	2.0		mg/Kg-dry	20	4/14/2020
Beryllium	ND	1.0		mg/Kg-dry	20	4/14/2020
Cadmium	4.6	1.0		mg/Kg-dry	20	4/14/2020
Calcium	81000	120		mg/Kg-dry	20	4/14/2020
Chromium	50	2.0		mg/Kg-dry	20	4/14/2020
Cobalt	17	2.0		mg/Kg-dry	20	4/14/2020
Copper	320	5.1		mg/Kg-dry	20	4/14/2020
Iron	140000	61		mg/Kg-dry	20	4/14/2020

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-002

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:10:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-002

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 4/14/2020 Analyst: MDT
Lead	1300	1.0		mg/Kg-dry	20	4/14/2020
Magnesium	34000	61		mg/Kg-dry	20	4/14/2020
Manganese	930	2.0		mg/Kg-dry	20	4/14/2020
Nickel	74	2.0		mg/Kg-dry	20	4/14/2020
Potassium	970	61		mg/Kg-dry	20	4/14/2020
Selenium	ND	2.0		mg/Kg-dry	20	4/14/2020
Silver	ND	2.0		mg/Kg-dry	20	4/14/2020
Sodium	1000	120		mg/Kg-dry	20	4/14/2020
Thallium	ND	2.0		mg/Kg-dry	20	4/14/2020
Vanadium	13	2.0		mg/Kg-dry	20	4/14/2020
Zinc	440	10		mg/Kg-dry	20	4/14/2020
<b>Mercury</b>	<b>SW7471B</b>					Prep Date: 4/14/2020 Analyst: LB
Mercury	0.18	0.020		mg/Kg-dry	1	4/14/2020
<b>Cyanide, Total</b>	<b>SW9012A</b>					Prep Date: 4/14/2020 Analyst: CAB
Cyanide	ND	0.29		mg/Kg-dry	1	4/14/2020
<b>pH (25 °C)</b>	<b>SW9045C</b>					Prep Date: 4/13/2020 Analyst: JAR
pH	8.97			pH Units	1	4/13/2020
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 4/14/2020 Analyst: FN
Percent Moisture	15.0	0.2	*	wt%	1	4/14/2020
<b>Asbestos Analysis by TEM</b>	<b>EPA600/R-93/116</b>					Prep Date: Analyst: RJS
Chrysotile	<1			%	1	7/13/2020

**Qualifiers:**

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-003

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:20:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 4/14/2020 Analyst: DM</b>						
Acenaphthene	0.036	0.036		mg/Kg-dry	1	4/14/2020
Acenaphthylene	ND	0.036		mg/Kg-dry	1	4/14/2020
Aniline	ND	0.36		mg/Kg-dry	1	4/14/2020
Anthracene	0.13	0.036		mg/Kg-dry	1	4/14/2020
Benz(a)anthracene	0.46	0.036		mg/Kg-dry	1	4/14/2020
Benzidine	ND	0.36		mg/Kg-dry	1	4/14/2020
Benzo(a)pyrene	0.37	0.036		mg/Kg-dry	1	4/14/2020
Benzo(b)fluoranthene	0.41	0.036		mg/Kg-dry	1	4/14/2020
Benzo(g,h,i)perylene	0.25	0.036		mg/Kg-dry	1	4/14/2020
Benzo(k)fluoranthene	0.36	0.036		mg/Kg-dry	1	4/14/2020
Benzoic acid	ND	0.91		mg/Kg-dry	1	4/14/2020
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	4/14/2020
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	4/14/2020
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	4/14/2020
Bis(2-ethylhexyl)phthalate	ND	0.91		mg/Kg-dry	1	4/14/2020
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	4/14/2020
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	4/14/2020
Carbazole	ND	0.19		mg/Kg-dry	1	4/14/2020
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	4/14/2020
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	4/14/2020
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	4/14/2020
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	4/14/2020
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	4/14/2020
Chrysene	0.51	0.036		mg/Kg-dry	1	4/14/2020
Dibenz(a,h)anthracene	0.12	0.036		mg/Kg-dry	1	4/14/2020
Dibenzofuran	ND	0.19		mg/Kg-dry	1	4/14/2020
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	4/14/2020
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	4/14/2020
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	4/14/2020
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	4/14/2020
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	4/14/2020
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	4/14/2020
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	4/14/2020
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	4/14/2020
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	4/14/2020
2,4-Dinitrophenol	ND	0.91		mg/Kg-dry	1	4/14/2020
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	4/14/2020
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	4/14/2020

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-003

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:20:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>		Prep Date: 4/14/2020		Analyst: DM	
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	4/14/2020
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	4/14/2020
Fluoranthene	0.89	0.036		mg/Kg-dry	1	4/14/2020
Fluorene	0.042	0.036		mg/Kg-dry	1	4/14/2020
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	4/14/2020
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	4/14/2020
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	4/14/2020
Hexachloroethane	ND	0.19		mg/Kg-dry	1	4/14/2020
Indeno(1,2,3-cd)pyrene	0.21	0.036		mg/Kg-dry	1	4/14/2020
Isophorone	ND	0.19		mg/Kg-dry	1	4/14/2020
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	4/14/2020
2-Methylphenol	ND	0.19		mg/Kg-dry	1	4/14/2020
4-Methylphenol	ND	0.19		mg/Kg-dry	1	4/14/2020
Naphthalene	ND	0.036		mg/Kg-dry	1	4/14/2020
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	4/14/2020
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	4/14/2020
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	4/14/2020
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	4/14/2020
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	4/14/2020
Nitrobenzene	ND	0.036		mg/Kg-dry	1	4/14/2020
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	4/14/2020
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	4/14/2020
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	4/14/2020
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	4/14/2020
Pentachlorophenol	ND	0.073		mg/Kg-dry	1	4/14/2020
Phenanthrene	0.49	0.036		mg/Kg-dry	1	4/14/2020
Phenol	ND	0.19		mg/Kg-dry	1	4/14/2020
Pyrene	0.75	0.036		mg/Kg-dry	1	4/14/2020
Pyridine	ND	0.73		mg/Kg-dry	1	4/14/2020
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	4/14/2020
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	4/14/2020
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	4/14/2020
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>		Prep Date: 4/13/2020		Analyst: GVC	
Aroclor 1016	ND	0.088		mg/Kg-dry	1	4/14/2020
Aroclor 1221	ND	0.088		mg/Kg-dry	1	4/14/2020
Aroclor 1232	ND	0.088		mg/Kg-dry	1	4/14/2020
Aroclor 1242	0.19	0.088		mg/Kg-dry	1	4/14/2020
Aroclor 1248	ND	0.088		mg/Kg-dry	1	4/14/2020

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded



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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-003

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:20:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				Prep Date: 4/13/2020	Analyst: GVC
Aroclor 1254	0.33	0.088		mg/Kg-dry	1	4/14/2020
Aroclor 1260	0.21	0.088		mg/Kg-dry	1	4/14/2020
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>				Prep Date: 4/13/2020	Analyst: GVC
4,4'-DDD	ND	0.0018		mg/Kg-dry	1	4/14/2020
4,4'-DDE	ND	0.0018		mg/Kg-dry	1	4/14/2020
4,4'-DDT	ND	0.0018		mg/Kg-dry	1	4/14/2020
Aldrin	ND	0.0018		mg/Kg-dry	1	4/14/2020
alpha-BHC	ND	0.0018		mg/Kg-dry	1	4/14/2020
alpha-Chlordane	ND	0.0018		mg/Kg-dry	1	4/14/2020
beta-BHC	ND	0.0018		mg/Kg-dry	1	4/14/2020
Chlordane	ND	0.018		mg/Kg-dry	1	4/14/2020
delta-BHC	ND	0.0018		mg/Kg-dry	1	4/14/2020
Dieldrin	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endosulfan I	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endosulfan II	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endosulfan sulfate	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endrin	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endrin aldehyde	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endrin ketone	ND	0.0018		mg/Kg-dry	1	4/14/2020
gamma-BHC	ND	0.0018		mg/Kg-dry	1	4/14/2020
gamma-Chlordane	ND	0.0018		mg/Kg-dry	1	4/14/2020
Heptachlor	ND	0.0018		mg/Kg-dry	1	4/14/2020
Heptachlor epoxide	ND	0.0018		mg/Kg-dry	1	4/14/2020
Methoxychlor	ND	0.0018		mg/Kg-dry	1	4/14/2020
Toxaphene	ND	0.036		mg/Kg-dry	1	4/14/2020
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>				Prep Date: 4/14/2020	Analyst: MDT
Aluminum	4900	37		mg/Kg-dry	20	4/14/2020
Antimony	ND	3.7		mg/Kg-dry	20	4/14/2020
Arsenic	66	1.8		mg/Kg-dry	20	4/14/2020
Barium	370	1.8		mg/Kg-dry	20	4/14/2020
Beryllium	ND	0.92		mg/Kg-dry	20	4/14/2020
Cadmium	8.5	0.92		mg/Kg-dry	20	4/14/2020
Calcium	40000	110		mg/Kg-dry	20	4/14/2020
Chromium	130	1.8		mg/Kg-dry	20	4/14/2020
Cobalt	20	1.8		mg/Kg-dry	20	4/14/2020
Copper	300	4.6		mg/Kg-dry	20	4/14/2020
Iron	210000	55		mg/Kg-dry	20	4/14/2020

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-003

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:20:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 4/14/2020 Analyst: MDT
Lead	3500	0.92		mg/Kg-dry	20	4/14/2020
Magnesium	14000	55		mg/Kg-dry	20	4/14/2020
Manganese	1100	1.8		mg/Kg-dry	20	4/14/2020
Nickel	110	1.8		mg/Kg-dry	20	4/14/2020
Potassium	1100	55		mg/Kg-dry	20	4/14/2020
Selenium	ND	1.8		mg/Kg-dry	20	4/14/2020
Silver	ND	1.8		mg/Kg-dry	20	4/14/2020
Sodium	610	110		mg/Kg-dry	20	4/14/2020
Thallium	2.3	1.8		mg/Kg-dry	20	4/14/2020
Vanadium	12	1.8		mg/Kg-dry	20	4/14/2020
Zinc	770	9.2		mg/Kg-dry	20	4/14/2020
<b>Mercury</b>	<b>SW7471B</b>					Prep Date: 4/14/2020 Analyst: LB
Mercury	0.26	0.021		mg/Kg-dry	1	4/14/2020
<b>Cyanide, Total</b>	<b>SW9012A</b>					Prep Date: 4/14/2020 Analyst: CAB
Cyanide	ND	0.27		mg/Kg-dry	1	4/14/2020
<b>pH (25 °C)</b>	<b>SW9045C</b>					Prep Date: 4/13/2020 Analyst: JAR
pH	8.95			pH Units	1	4/13/2020
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 4/14/2020 Analyst: FN
Percent Moisture	9.5	0.2	*	wt%	1	4/14/2020
<b>Asbestos Analysis by TEM</b>	<b>EPA600/R-93/116</b>					Prep Date: Analyst: RJS
Chrysotile	<1			%	1	7/13/2020

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-004

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:25:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 4/14/2020 Analyst: DM</b>						
Acenaphthene	0.067	0.036		mg/Kg-dry	1	4/14/2020
Acenaphthylene	ND	0.036		mg/Kg-dry	1	4/14/2020
Aniline	ND	0.36		mg/Kg-dry	1	4/14/2020
Anthracene	0.12	0.036		mg/Kg-dry	1	4/14/2020
Benz(a)anthracene	0.25	0.036		mg/Kg-dry	1	4/14/2020
Benzidine	ND	0.36		mg/Kg-dry	1	4/14/2020
Benzo(a)pyrene	0.25	0.036		mg/Kg-dry	1	4/14/2020
Benzo(b)fluoranthene	0.24	0.036		mg/Kg-dry	1	4/14/2020
Benzo(g,h,i)perylene	0.19	0.036		mg/Kg-dry	1	4/14/2020
Benzo(k)fluoranthene	0.24	0.036		mg/Kg-dry	1	4/14/2020
Benzoic acid	ND	0.90		mg/Kg-dry	1	4/14/2020
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	4/14/2020
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	4/14/2020
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	4/14/2020
Bis(2-ethylhexyl)phthalate	ND	0.90		mg/Kg-dry	1	4/14/2020
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	4/14/2020
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	4/14/2020
Carbazole	ND	0.19		mg/Kg-dry	1	4/14/2020
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	4/14/2020
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	4/14/2020
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	4/14/2020
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	4/14/2020
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	4/14/2020
Chrysene	0.30	0.036		mg/Kg-dry	1	4/14/2020
Dibenz(a,h)anthracene	0.11	0.036		mg/Kg-dry	1	4/14/2020
Dibenzofuran	ND	0.19		mg/Kg-dry	1	4/14/2020
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	4/14/2020
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	4/14/2020
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	4/14/2020
3,3'-Dichlorobenzidine	ND	0.19		mg/Kg-dry	1	4/14/2020
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	4/14/2020
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	4/14/2020
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	4/14/2020
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	4/14/2020
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	4/14/2020
2,4-Dinitrophenol	ND	0.90		mg/Kg-dry	1	4/14/2020
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	4/14/2020
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	4/14/2020

**Qualifiers:**

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-004

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:25:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: 4/14/2020		Analyst: DM
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	4/14/2020
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	4/14/2020
Fluoranthene	0.70	0.036		mg/Kg-dry	1	4/14/2020
Fluorene	0.060	0.036		mg/Kg-dry	1	4/14/2020
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	4/14/2020
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	4/14/2020
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	4/14/2020
Hexachloroethane	ND	0.19		mg/Kg-dry	1	4/14/2020
Indeno(1,2,3-cd)pyrene	0.15	0.036		mg/Kg-dry	1	4/14/2020
Isophorone	ND	0.19		mg/Kg-dry	1	4/14/2020
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	4/14/2020
2-Methylphenol	ND	0.19		mg/Kg-dry	1	4/14/2020
4-Methylphenol	ND	0.19		mg/Kg-dry	1	4/14/2020
Naphthalene	ND	0.036		mg/Kg-dry	1	4/14/2020
2-Nitroaniline	ND	0.19		mg/Kg-dry	1	4/14/2020
3-Nitroaniline	ND	0.19		mg/Kg-dry	1	4/14/2020
4-Nitroaniline	ND	0.19		mg/Kg-dry	1	4/14/2020
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	4/14/2020
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	4/14/2020
Nitrobenzene	ND	0.036		mg/Kg-dry	1	4/14/2020
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	4/14/2020
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	4/14/2020
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	4/14/2020
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	4/14/2020
Pentachlorophenol	ND	0.073		mg/Kg-dry	1	4/14/2020
Phenanthrene	0.66	0.036		mg/Kg-dry	1	4/14/2020
Phenol	ND	0.19		mg/Kg-dry	1	4/14/2020
Pyrene	0.55	0.036		mg/Kg-dry	1	4/14/2020
Pyridine	ND	0.73		mg/Kg-dry	1	4/14/2020
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	4/14/2020
2,4,5-Trichlorophenol	ND	0.19		mg/Kg-dry	1	4/14/2020
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	4/14/2020
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>			Prep Date: 4/14/2020		Analyst: GVC
Aroclor 1016	ND	0.088		mg/Kg-dry	1	4/14/2020
Aroclor 1221	ND	0.088		mg/Kg-dry	1	4/14/2020
Aroclor 1232	ND	0.088		mg/Kg-dry	1	4/14/2020
Aroclor 1242	0.22	0.088		mg/Kg-dry	1	4/14/2020
Aroclor 1248	ND	0.088		mg/Kg-dry	1	4/14/2020

**Qualifiers:**

ND - Not Detected at the Reporting Limit

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HT - Sample received past holding time

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-004

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:25:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				Prep Date: 4/14/2020	Analyst: GVC
Aroclor 1254	0.13	0.088		mg/Kg-dry	1	4/14/2020
Aroclor 1260	ND	0.088		mg/Kg-dry	1	4/14/2020
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>				Prep Date: 4/14/2020	Analyst: GVC
4,4'-DDD	ND	0.0018		mg/Kg-dry	1	4/14/2020
4,4'-DDE	ND	0.0018		mg/Kg-dry	1	4/14/2020
4,4'-DDT	ND	0.0018		mg/Kg-dry	1	4/14/2020
Aldrin	ND	0.0018		mg/Kg-dry	1	4/14/2020
alpha-BHC	ND	0.0018		mg/Kg-dry	1	4/14/2020
alpha-Chlordane	ND	0.0018		mg/Kg-dry	1	4/14/2020
beta-BHC	ND	0.0018		mg/Kg-dry	1	4/14/2020
Chlordane	ND	0.018		mg/Kg-dry	1	4/14/2020
delta-BHC	ND	0.0018		mg/Kg-dry	1	4/14/2020
Dieldrin	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endosulfan I	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endosulfan II	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endosulfan sulfate	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endrin	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endrin aldehyde	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endrin ketone	ND	0.0018		mg/Kg-dry	1	4/14/2020
gamma-BHC	ND	0.0018		mg/Kg-dry	1	4/14/2020
gamma-Chlordane	ND	0.0018		mg/Kg-dry	1	4/14/2020
Heptachlor	ND	0.0018		mg/Kg-dry	1	4/14/2020
Heptachlor epoxide	ND	0.0018		mg/Kg-dry	1	4/14/2020
Methoxychlor	ND	0.0018		mg/Kg-dry	1	4/14/2020
Toxaphene	ND	0.036		mg/Kg-dry	1	4/14/2020
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>				Prep Date: 4/14/2020	Analyst: MDT
Aluminum	5800	38		mg/Kg-dry	20	4/14/2020
Antimony	ND	3.8		mg/Kg-dry	20	4/14/2020
Arsenic	3.6	1.9		mg/Kg-dry	20	4/14/2020
Barium	230	1.9		mg/Kg-dry	20	4/14/2020
Beryllium	ND	0.94		mg/Kg-dry	20	4/14/2020
Cadmium	4.5	0.94		mg/Kg-dry	20	4/14/2020
Calcium	220000	560		mg/Kg-dry	100	4/14/2020
Chromium	99	1.9		mg/Kg-dry	20	4/14/2020
Cobalt	3.7	1.9		mg/Kg-dry	20	4/14/2020
Copper	23	4.7		mg/Kg-dry	20	4/14/2020
Iron	12000	56		mg/Kg-dry	20	4/14/2020

ND - Not Detected at the Reporting Limit

RL - Reporting / Quantitation Limit for the analysis

Qualifiers: J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

HT - Sample received past holding time

E - Value above quantitation range

\* - Non-accredited parameter

H - Holding time exceeded

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-004

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:25:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 4/14/2020 Analyst: MDT
Lead	97	0.94		mg/Kg-dry	20	4/14/2020
Magnesium	120000	56		mg/Kg-dry	20	4/14/2020
Manganese	470	1.9		mg/Kg-dry	20	4/14/2020
Nickel	12	1.9		mg/Kg-dry	20	4/14/2020
Potassium	880	56		mg/Kg-dry	20	4/14/2020
Selenium	ND	1.9		mg/Kg-dry	20	4/14/2020
Silver	ND	1.9		mg/Kg-dry	20	4/14/2020
Sodium	1000	110		mg/Kg-dry	20	4/14/2020
Thallium	ND	1.9		mg/Kg-dry	20	4/14/2020
Vanadium	15	1.9		mg/Kg-dry	20	4/14/2020
Zinc	200	9.4		mg/Kg-dry	20	4/14/2020
<b>Mercury</b>	<b>SW7471B</b>					Prep Date: 4/14/2020 Analyst: LB
Mercury	0.076	0.020		mg/Kg-dry	1	4/14/2020
<b>Cyanide, Total</b>	<b>SW9012A</b>					Prep Date: 4/14/2020 Analyst: CAB
Cyanide	ND	0.28		mg/Kg-dry	1	4/14/2020
<b>pH (25 °C)</b>	<b>SW9045C</b>					Prep Date: 4/13/2020 Analyst: JAR
pH	11.3			pH Units	1	4/13/2020
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 4/14/2020 Analyst: FN
Percent Moisture	9.4	0.2	*	wt%	1	4/14/2020
<b>Asbestos Analysis by TEM</b>	<b>EPA600/R-93/116</b>					Prep Date: Analyst: RJS
Chrysotile	1-2			%	1	7/13/2020

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-005

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:35:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 4/14/2020 Analyst: DM</b>						
Acenaphthene	ND	0.036		mg/Kg-dry	1	4/14/2020
Acenaphthylene	ND	0.036		mg/Kg-dry	1	4/14/2020
Aniline	ND	0.36		mg/Kg-dry	1	4/14/2020
Anthracene	0.041	0.036		mg/Kg-dry	1	4/14/2020
Benz(a)anthracene	0.091	0.036		mg/Kg-dry	1	4/14/2020
Benzidine	ND	0.36		mg/Kg-dry	1	4/14/2020
Benzo(a)pyrene	0.071	0.036		mg/Kg-dry	1	4/14/2020
Benzo(b)fluoranthene	0.099	0.036		mg/Kg-dry	1	4/14/2020
Benzo(g,h,i)perylene	0.051	0.036		mg/Kg-dry	1	4/14/2020
Benzo(k)fluoranthene	0.061	0.036		mg/Kg-dry	1	4/14/2020
Benzoic acid	ND	0.89		mg/Kg-dry	1	4/14/2020
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	4/14/2020
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	4/14/2020
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	4/14/2020
Bis(2-ethylhexyl)phthalate	ND	0.89		mg/Kg-dry	1	4/14/2020
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	4/14/2020
Butyl benzyl phthalate	ND	0.18		mg/Kg-dry	1	4/14/2020
Carbazole	ND	0.18		mg/Kg-dry	1	4/14/2020
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	4/14/2020
4-Chloro-3-methylphenol	ND	0.36		mg/Kg-dry	1	4/14/2020
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	4/14/2020
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	4/14/2020
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	4/14/2020
Chrysene	0.14	0.036		mg/Kg-dry	1	4/14/2020
Dibenz(a,h)anthracene	ND	0.036		mg/Kg-dry	1	4/14/2020
Dibenzofuran	ND	0.18		mg/Kg-dry	1	4/14/2020
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	4/14/2020
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	4/14/2020
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	4/14/2020
3,3'-Dichlorobenzidine	ND	0.18		mg/Kg-dry	1	4/14/2020
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	4/14/2020
Diethyl phthalate	ND	0.18		mg/Kg-dry	1	4/14/2020
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	4/14/2020
Dimethyl phthalate	ND	0.18		mg/Kg-dry	1	4/14/2020
4,6-Dinitro-2-methylphenol	ND	0.36		mg/Kg-dry	1	4/14/2020
2,4-Dinitrophenol	ND	0.89		mg/Kg-dry	1	4/14/2020
2,4-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	4/14/2020
2,6-Dinitrotoluene	ND	0.036		mg/Kg-dry	1	4/14/2020

**Qualifiers:**

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-005

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:35:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>		Prep Date: 4/14/2020		Analyst: DM	
Di-n-butyl phthalate	ND	0.18		mg/Kg-dry	1	4/14/2020
Di-n-octyl phthalate	ND	0.18		mg/Kg-dry	1	4/14/2020
Fluoranthene	0.26	0.036		mg/Kg-dry	1	4/14/2020
Fluorene	ND	0.036		mg/Kg-dry	1	4/14/2020
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	4/14/2020
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	4/14/2020
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	4/14/2020
Hexachloroethane	ND	0.18		mg/Kg-dry	1	4/14/2020
Indeno(1,2,3-cd)pyrene	0.045	0.036		mg/Kg-dry	1	4/14/2020
Isophorone	ND	0.18		mg/Kg-dry	1	4/14/2020
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	4/14/2020
2-Methylphenol	ND	0.18		mg/Kg-dry	1	4/14/2020
4-Methylphenol	ND	0.18		mg/Kg-dry	1	4/14/2020
Naphthalene	ND	0.036		mg/Kg-dry	1	4/14/2020
2-Nitroaniline	ND	0.18		mg/Kg-dry	1	4/14/2020
3-Nitroaniline	ND	0.18		mg/Kg-dry	1	4/14/2020
4-Nitroaniline	ND	0.18		mg/Kg-dry	1	4/14/2020
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	4/14/2020
4-Nitrophenol	ND	0.36		mg/Kg-dry	1	4/14/2020
Nitrobenzene	ND	0.036		mg/Kg-dry	1	4/14/2020
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	1	4/14/2020
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	4/14/2020
N-Nitrosodiphenylamine	ND	0.18		mg/Kg-dry	1	4/14/2020
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	4/14/2020
Pentachlorophenol	ND	0.072		mg/Kg-dry	1	4/14/2020
Phenanthrene	0.27	0.036		mg/Kg-dry	1	4/14/2020
Phenol	ND	0.18		mg/Kg-dry	1	4/14/2020
Pyrene	0.17	0.036		mg/Kg-dry	1	4/14/2020
Pyridine	ND	0.72		mg/Kg-dry	1	4/14/2020
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	4/14/2020
2,4,5-Trichlorophenol	ND	0.18		mg/Kg-dry	1	4/14/2020
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	4/14/2020
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>		Prep Date: 4/14/2020		Analyst: GVC	
Aroclor 1016	ND	0.085		mg/Kg-dry	1	4/14/2020
Aroclor 1221	ND	0.085		mg/Kg-dry	1	4/14/2020
Aroclor 1232	ND	0.085		mg/Kg-dry	1	4/14/2020
Aroclor 1242	ND	0.085		mg/Kg-dry	1	4/14/2020
Aroclor 1248	ND	0.085		mg/Kg-dry	1	4/14/2020

**Qualifiers:**

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-005

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:35:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>			Prep Date: 4/14/2020		Analyst: GVC
Aroclor 1254	ND	0.085		mg/Kg-dry	1	4/14/2020
Aroclor 1260	ND	0.085		mg/Kg-dry	1	4/14/2020
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 4/14/2020		Analyst: GVC
4,4'-DDD	ND	0.0017		mg/Kg-dry	1	4/14/2020
4,4'-DDE	ND	0.0017		mg/Kg-dry	1	4/14/2020
4,4'-DDT	ND	0.0017		mg/Kg-dry	1	4/14/2020
Aldrin	ND	0.0017		mg/Kg-dry	1	4/14/2020
alpha-BHC	ND	0.0017		mg/Kg-dry	1	4/14/2020
alpha-Chlordane	ND	0.0017		mg/Kg-dry	1	4/14/2020
beta-BHC	ND	0.0017		mg/Kg-dry	1	4/14/2020
Chlordane	ND	0.017		mg/Kg-dry	1	4/14/2020
delta-BHC	ND	0.0017		mg/Kg-dry	1	4/14/2020
Dieldrin	ND	0.0017		mg/Kg-dry	1	4/14/2020
Endosulfan I	ND	0.0017		mg/Kg-dry	1	4/14/2020
Endosulfan II	ND	0.0017		mg/Kg-dry	1	4/14/2020
Endosulfan sulfate	ND	0.0017		mg/Kg-dry	1	4/14/2020
Endrin	ND	0.0017		mg/Kg-dry	1	4/14/2020
Endrin aldehyde	ND	0.0017		mg/Kg-dry	1	4/14/2020
Endrin ketone	ND	0.0017		mg/Kg-dry	1	4/14/2020
gamma-BHC	ND	0.0017		mg/Kg-dry	1	4/14/2020
gamma-Chlordane	ND	0.0017		mg/Kg-dry	1	4/14/2020
Heptachlor	ND	0.0017		mg/Kg-dry	1	4/14/2020
Heptachlor epoxide	ND	0.0017		mg/Kg-dry	1	4/14/2020
Methoxychlor	ND	0.0017		mg/Kg-dry	1	4/14/2020
Toxaphene	ND	0.035		mg/Kg-dry	1	4/14/2020
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 4/14/2020		Analyst: MDT
Aluminum	10000	39		mg/Kg-dry	20	4/14/2020
Antimony	ND	3.9		mg/Kg-dry	20	4/14/2020
Arsenic	6.5	1.9		mg/Kg-dry	20	4/14/2020
Barium	250	1.9		mg/Kg-dry	20	4/14/2020
Beryllium	1.2	0.97		mg/Kg-dry	20	4/14/2020
Cadmium	2.9	0.97		mg/Kg-dry	20	4/14/2020
Calcium	200000	120		mg/Kg-dry	20	4/14/2020
Chromium	27	1.9		mg/Kg-dry	20	4/14/2020
Cobalt	4.3	1.9		mg/Kg-dry	20	4/14/2020
Copper	42	4.8		mg/Kg-dry	20	4/14/2020
Iron	26000	58		mg/Kg-dry	20	4/14/2020

**Qualifiers:**

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-005

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:35:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 4/14/2020 Analyst: MDT
Lead	510	0.97		mg/Kg-dry	20	4/14/2020
Magnesium	55000	58		mg/Kg-dry	20	4/14/2020
Manganese	1200	1.9		mg/Kg-dry	20	4/14/2020
Nickel	17	1.9		mg/Kg-dry	20	4/14/2020
Potassium	1100	58		mg/Kg-dry	20	4/14/2020
Selenium	ND	1.9		mg/Kg-dry	20	4/14/2020
Silver	ND	1.9		mg/Kg-dry	20	4/14/2020
Sodium	800	120		mg/Kg-dry	20	4/14/2020
Thallium	ND	1.9		mg/Kg-dry	20	4/14/2020
Vanadium	13	1.9		mg/Kg-dry	20	4/14/2020
Zinc	410	9.7		mg/Kg-dry	20	4/14/2020
<b>Mercury</b>	<b>SW7471B</b>					Prep Date: 4/14/2020 Analyst: LB
Mercury	0.095	0.018		mg/Kg-dry	1	4/14/2020
<b>Cyanide, Total</b>	<b>SW9012A</b>					Prep Date: 4/14/2020 Analyst: CAB
Cyanide	0.43	0.27		mg/Kg-dry	1	4/14/2020
<b>pH (25 °C)</b>	<b>SW9045C</b>					Prep Date: 4/13/2020 Analyst: JAR
pH	11.6			pH Units	1	4/13/2020
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 4/14/2020 Analyst: FN
Percent Moisture	8.6	0.2	*	wt%	1	4/14/2020
<b>Asbestos Analysis by TEM</b>	<b>EPA600/R-93/116</b>					Prep Date: Analyst: RJS
Chrysotile	1-2			%	1	7/13/2020

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-006

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:45:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 4/14/2020 Analyst: TEM</b>						
Acenaphthene	ND	0.18		mg/Kg-dry	1	4/14/2020
Acenaphthylene	ND	0.18		mg/Kg-dry	1	4/14/2020
Aniline	ND	1.8		mg/Kg-dry	1	4/14/2020
Anthracene	0.30	0.18		mg/Kg-dry	1	4/14/2020
Benz(a)anthracene	0.62	0.18		mg/Kg-dry	1	4/14/2020
Benzidine	ND	1.8		mg/Kg-dry	1	4/14/2020
Benzo(a)pyrene	0.51	0.18		mg/Kg-dry	1	4/14/2020
Benzo(b)fluoranthene	0.54	0.18		mg/Kg-dry	1	4/14/2020
Benzo(g,h,i)perylene	0.34	0.18		mg/Kg-dry	1	4/14/2020
Benzo(k)fluoranthene	0.45	0.18		mg/Kg-dry	1	4/14/2020
Benzoic acid	ND	4.5		mg/Kg-dry	1	4/14/2020
Benzyl alcohol	ND	0.93		mg/Kg-dry	1	4/14/2020
Bis(2-chloroethoxy)methane	ND	0.93		mg/Kg-dry	1	4/14/2020
Bis(2-chloroethyl)ether	ND	0.93		mg/Kg-dry	1	4/14/2020
Bis(2-ethylhexyl)phthalate	ND	4.5		mg/Kg-dry	1	4/14/2020
4-Bromophenyl phenyl ether	ND	0.93		mg/Kg-dry	1	4/14/2020
Butyl benzyl phthalate	ND	0.93		mg/Kg-dry	1	4/14/2020
Carbazole	ND	0.93		mg/Kg-dry	1	4/14/2020
4-Chloroaniline	ND	0.93		mg/Kg-dry	1	4/14/2020
4-Chloro-3-methylphenol	ND	1.8		mg/Kg-dry	1	4/14/2020
2-Chloronaphthalene	ND	0.93		mg/Kg-dry	1	4/14/2020
2-Chlorophenol	ND	0.93		mg/Kg-dry	1	4/14/2020
4-Chlorophenyl phenyl ether	ND	0.93		mg/Kg-dry	1	4/14/2020
Chrysene	0.74	0.18		mg/Kg-dry	1	4/14/2020
Dibenz(a,h)anthracene	ND	0.18		mg/Kg-dry	1	4/14/2020
Dibenzofuran	ND	0.93		mg/Kg-dry	1	4/14/2020
1,2-Dichlorobenzene	ND	0.93		mg/Kg-dry	1	4/14/2020
1,3-Dichlorobenzene	ND	0.93		mg/Kg-dry	1	4/14/2020
1,4-Dichlorobenzene	ND	0.93		mg/Kg-dry	1	4/14/2020
3,3'-Dichlorobenzidine	ND	0.93		mg/Kg-dry	1	4/14/2020
2,4-Dichlorophenol	ND	0.93		mg/Kg-dry	1	4/14/2020
Diethyl phthalate	ND	0.93		mg/Kg-dry	1	4/14/2020
2,4-Dimethylphenol	ND	0.93		mg/Kg-dry	1	4/14/2020
Dimethyl phthalate	ND	0.93		mg/Kg-dry	1	4/14/2020
4,6-Dinitro-2-methylphenol	ND	1.8		mg/Kg-dry	1	4/14/2020
2,4-Dinitrophenol	ND	4.5		mg/Kg-dry	1	4/14/2020
2,4-Dinitrotoluene	ND	0.18		mg/Kg-dry	1	4/14/2020
2,6-Dinitrotoluene	ND	0.18		mg/Kg-dry	1	4/14/2020

**Qualifiers:**

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\* - Non-accredited parameter

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-006

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:45:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>		Prep Date: 4/14/2020		Analyst: TEM	
Di-n-butyl phthalate	ND	0.93		mg/Kg-dry	1	4/14/2020
Di-n-octyl phthalate	ND	0.93		mg/Kg-dry	1	4/14/2020
Fluoranthene	1.5	0.18		mg/Kg-dry	1	4/14/2020
Fluorene	ND	0.18		mg/Kg-dry	1	4/14/2020
Hexachlorobenzene	ND	0.93		mg/Kg-dry	1	4/14/2020
Hexachlorobutadiene	ND	0.93		mg/Kg-dry	1	4/14/2020
Hexachlorocyclopentadiene	ND	0.93		mg/Kg-dry	1	4/14/2020
Hexachloroethane	ND	0.93		mg/Kg-dry	1	4/14/2020
Indeno(1,2,3-cd)pyrene	0.26	0.18		mg/Kg-dry	1	4/14/2020
Isophorone	ND	0.93		mg/Kg-dry	1	4/14/2020
2-Methylnaphthalene	ND	0.93		mg/Kg-dry	1	4/14/2020
2-Methylphenol	ND	0.93		mg/Kg-dry	1	4/14/2020
4-Methylphenol	ND	0.93		mg/Kg-dry	1	4/14/2020
Naphthalene	ND	0.18		mg/Kg-dry	1	4/14/2020
2-Nitroaniline	ND	0.93		mg/Kg-dry	1	4/14/2020
3-Nitroaniline	ND	0.93		mg/Kg-dry	1	4/14/2020
4-Nitroaniline	ND	0.93		mg/Kg-dry	1	4/14/2020
2-Nitrophenol	ND	0.93		mg/Kg-dry	1	4/14/2020
4-Nitrophenol	ND	1.8		mg/Kg-dry	1	4/14/2020
Nitrobenzene	ND	0.18		mg/Kg-dry	1	4/14/2020
N-Nitrosodi-n-propylamine	ND	0.18		mg/Kg-dry	1	4/14/2020
N-Nitrosodimethylamine	ND	0.93		mg/Kg-dry	1	4/14/2020
N-Nitrosodiphenylamine	ND	0.93		mg/Kg-dry	1	4/14/2020
2, 2'-oxybis(1-Chloropropane)	ND	0.93		mg/Kg-dry	1	4/14/2020
Pentachlorophenol	ND	0.37		mg/Kg-dry	1	4/14/2020
Phenanthrene	1.3	0.18		mg/Kg-dry	1	4/14/2020
Phenol	ND	0.93		mg/Kg-dry	1	4/14/2020
Pyrene	1.2	0.18		mg/Kg-dry	1	4/14/2020
Pyridine	ND	3.7		mg/Kg-dry	1	4/14/2020
1,2,4-Trichlorobenzene	ND	0.93		mg/Kg-dry	1	4/14/2020
2,4,5-Trichlorophenol	ND	0.93		mg/Kg-dry	1	4/14/2020
2,4,6-Trichlorophenol	ND	0.93		mg/Kg-dry	1	4/14/2020
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>		Prep Date: 4/14/2020		Analyst: GVC	
Aroclor 1016	ND	0.088		mg/Kg-dry	1	4/14/2020
Aroclor 1221	ND	0.088		mg/Kg-dry	1	4/14/2020
Aroclor 1232	ND	0.088		mg/Kg-dry	1	4/14/2020
Aroclor 1242	ND	0.088		mg/Kg-dry	1	4/14/2020
Aroclor 1248	ND	0.088		mg/Kg-dry	1	4/14/2020

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-006

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:45:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>			Prep Date: 4/14/2020		Analyst: GVC
Aroclor 1254	ND	0.088		mg/Kg-dry	1	4/14/2020
Aroclor 1260	ND	0.088		mg/Kg-dry	1	4/14/2020
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 4/14/2020		Analyst: GVC
4,4'-DDD	ND	0.0018		mg/Kg-dry	1	4/14/2020
4,4'-DDE	ND	0.0018		mg/Kg-dry	1	4/14/2020
4,4'-DDT	ND	0.0018		mg/Kg-dry	1	4/14/2020
Aldrin	ND	0.0018		mg/Kg-dry	1	4/14/2020
alpha-BHC	ND	0.0018		mg/Kg-dry	1	4/14/2020
alpha-Chlordane	ND	0.0018		mg/Kg-dry	1	4/14/2020
beta-BHC	ND	0.0018		mg/Kg-dry	1	4/14/2020
Chlordane	ND	0.018		mg/Kg-dry	1	4/14/2020
delta-BHC	ND	0.0018		mg/Kg-dry	1	4/14/2020
Dieldrin	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endosulfan I	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endosulfan II	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endosulfan sulfate	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endrin	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endrin aldehyde	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endrin ketone	ND	0.0018		mg/Kg-dry	1	4/14/2020
gamma-BHC	ND	0.0018		mg/Kg-dry	1	4/14/2020
gamma-Chlordane	ND	0.0018		mg/Kg-dry	1	4/14/2020
Heptachlor	ND	0.0018		mg/Kg-dry	1	4/14/2020
Heptachlor epoxide	ND	0.0018		mg/Kg-dry	1	4/14/2020
Methoxychlor	ND	0.0018		mg/Kg-dry	1	4/14/2020
Toxaphene	ND	0.036		mg/Kg-dry	1	4/14/2020
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 4/14/2020		Analyst: MDT
Aluminum	13000	40		mg/Kg-dry	20	4/14/2020
Antimony	ND	4.0		mg/Kg-dry	20	4/14/2020
Arsenic	8.3	2.0		mg/Kg-dry	20	4/14/2020
Barium	240	2.0		mg/Kg-dry	20	4/14/2020
Beryllium	1.1	0.99		mg/Kg-dry	20	4/14/2020
Cadmium	2.3	0.99		mg/Kg-dry	20	4/14/2020
Calcium	160000	120		mg/Kg-dry	20	4/14/2020
Chromium	28	2.0		mg/Kg-dry	20	4/14/2020
Cobalt	5.2	2.0		mg/Kg-dry	20	4/14/2020
Copper	76	5.0		mg/Kg-dry	20	4/14/2020
Iron	29000	59		mg/Kg-dry	20	4/14/2020

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-006

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:45:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-006

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 4/14/2020 Analyst: MDT
Lead	180	0.99		mg/Kg-dry	20	4/14/2020
Magnesium	42000	59		mg/Kg-dry	20	4/14/2020
Manganese	1000	2.0		mg/Kg-dry	20	4/14/2020
Nickel	21	2.0		mg/Kg-dry	20	4/14/2020
Potassium	1600	59		mg/Kg-dry	20	4/14/2020
Selenium	ND	2.0		mg/Kg-dry	20	4/14/2020
Silver	ND	2.0		mg/Kg-dry	20	4/14/2020
Sodium	1100	120		mg/Kg-dry	20	4/14/2020
Thallium	ND	2.0		mg/Kg-dry	20	4/14/2020
Vanadium	19	2.0		mg/Kg-dry	20	4/14/2020
Zinc	800	9.9		mg/Kg-dry	20	4/14/2020
<b>Mercury</b>	<b>SW7471B</b>					Prep Date: 4/14/2020 Analyst: LB
Mercury	0.11	0.019		mg/Kg-dry	1	4/14/2020
<b>Cyanide, Total</b>	<b>SW9012A</b>					Prep Date: 4/14/2020 Analyst: CAB
Cyanide	ND	0.28		mg/Kg-dry	1	4/14/2020
<b>pH (25 °C)</b>	<b>SW9045C</b>					Prep Date: 4/13/2020 Analyst: JAR
pH	11.0			pH Units	1	4/13/2020
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 4/14/2020 Analyst: FN
Percent Moisture	9.7	0.2	*	wt%	1	4/14/2020
<b>Asbestos Analysis by TEM</b>	<b>EPA600/R-93/116</b>					Prep Date: Analyst: RJS
Chrysotile	<1			%	1	7/13/2020

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-007

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:55:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
<b>SW8270C (SW3550B)</b>		Prep Date: 4/14/2020		Analyst: TEM		
Acenaphthene	0.16	0.039		mg/Kg-dry	1	4/14/2020
Acenaphthylene	ND	0.039		mg/Kg-dry	1	4/14/2020
Aniline	ND	0.40		mg/Kg-dry	1	4/14/2020
Anthracene	0.26	0.039		mg/Kg-dry	1	4/14/2020
Benz(a)anthracene	0.48	0.039		mg/Kg-dry	1	4/14/2020
Benzidine	ND	0.39		mg/Kg-dry	1	4/14/2020
Benzo(a)pyrene	0.36	0.039		mg/Kg-dry	1	4/14/2020
Benzo(b)fluoranthene	0.34	0.039		mg/Kg-dry	1	4/14/2020
Benzo(g,h,i)perylene	0.24	0.039		mg/Kg-dry	1	4/14/2020
Benzo(k)fluoranthene	0.34	0.039		mg/Kg-dry	1	4/14/2020
Benzoic acid	ND	0.99		mg/Kg-dry	1	4/14/2020
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	4/14/2020
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	4/14/2020
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	4/14/2020
Bis(2-ethylhexyl)phthalate	ND	0.99		mg/Kg-dry	1	4/14/2020
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/14/2020
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	4/14/2020
Carbazole	ND	0.20		mg/Kg-dry	1	4/14/2020
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	4/14/2020
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	4/14/2020
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	4/14/2020
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	4/14/2020
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/14/2020
Chrysene	0.53	0.039		mg/Kg-dry	1	4/14/2020
Dibenz(a,h)anthracene	0.13	0.039		mg/Kg-dry	1	4/14/2020
Dibenzofuran	ND	0.20		mg/Kg-dry	1	4/14/2020
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/14/2020
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/14/2020
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/14/2020
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	4/14/2020
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	4/14/2020
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	4/14/2020
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	4/14/2020
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	4/14/2020
4,6-Dinitro-2-methylphenol	ND	0.39		mg/Kg-dry	1	4/14/2020
2,4-Dinitrophenol	ND	0.99		mg/Kg-dry	1	4/14/2020
2,4-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	4/14/2020
2,6-Dinitrotoluene	ND	0.039		mg/Kg-dry	1	4/14/2020

**Qualifiers:**  
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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-007

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:55:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>		Prep Date: 4/14/2020		Analyst: TEM	
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	4/14/2020
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	4/14/2020
Fluoranthene	1.2	0.039		mg/Kg-dry	1	4/14/2020
Fluorene	0.14	0.039		mg/Kg-dry	1	4/14/2020
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	4/14/2020
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	4/14/2020
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	4/14/2020
Hexachloroethane	ND	0.20		mg/Kg-dry	1	4/14/2020
Indeno(1,2,3-cd)pyrene	0.19	0.039		mg/Kg-dry	1	4/14/2020
Isophorone	ND	0.20		mg/Kg-dry	1	4/14/2020
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	4/14/2020
2-Methylphenol	ND	0.20		mg/Kg-dry	1	4/14/2020
4-Methylphenol	ND	0.20		mg/Kg-dry	1	4/14/2020
Naphthalene	0.045	0.039		mg/Kg-dry	1	4/14/2020
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/14/2020
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/14/2020
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/14/2020
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	4/14/2020
4-Nitrophenol	ND	0.39		mg/Kg-dry	1	4/14/2020
Nitrobenzene	ND	0.039		mg/Kg-dry	1	4/14/2020
N-Nitrosodi-n-propylamine	ND	0.039		mg/Kg-dry	1	4/14/2020
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	4/14/2020
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	4/14/2020
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	4/14/2020
Pentachlorophenol	ND	0.080		mg/Kg-dry	1	4/14/2020
Phenanthrene	1.2	0.039		mg/Kg-dry	1	4/14/2020
Phenol	ND	0.20		mg/Kg-dry	1	4/14/2020
Pyrene	0.98	0.039		mg/Kg-dry	1	4/14/2020
Pyridine	ND	0.80		mg/Kg-dry	1	4/14/2020
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	4/14/2020
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/14/2020
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/14/2020
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>		Prep Date: 4/14/2020		Analyst: GVC	
Aroclor 1016	ND	0.094		mg/Kg-dry	1	4/14/2020
Aroclor 1221	ND	0.094		mg/Kg-dry	1	4/14/2020
Aroclor 1232	ND	0.094		mg/Kg-dry	1	4/14/2020
Aroclor 1242	ND	0.094		mg/Kg-dry	1	4/14/2020
Aroclor 1248	ND	0.094		mg/Kg-dry	1	4/14/2020

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

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E - Value above quantitation range

H - Holding time exceeded



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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-007

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:55:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				Prep Date: 4/14/2020	Analyst: GVC
Aroclor 1254	ND	0.094		mg/Kg-dry	1	4/14/2020
Aroclor 1260	ND	0.094		mg/Kg-dry	1	4/14/2020
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>				Prep Date: 4/14/2020	Analyst: GVC
4,4'-DDD	ND	0.0019		mg/Kg-dry	1	4/14/2020
4,4'-DDE	ND	0.0019		mg/Kg-dry	1	4/14/2020
4,4'-DDT	ND	0.0019		mg/Kg-dry	1	4/14/2020
Aldrin	ND	0.0019		mg/Kg-dry	1	4/14/2020
alpha-BHC	ND	0.0019		mg/Kg-dry	1	4/14/2020
alpha-Chlordane	ND	0.0019		mg/Kg-dry	1	4/14/2020
beta-BHC	ND	0.0019		mg/Kg-dry	1	4/14/2020
Chlordane	ND	0.019		mg/Kg-dry	1	4/14/2020
delta-BHC	ND	0.0019		mg/Kg-dry	1	4/14/2020
Dieldrin	ND	0.0019		mg/Kg-dry	1	4/14/2020
Endosulfan I	ND	0.0019		mg/Kg-dry	1	4/14/2020
Endosulfan II	ND	0.0019		mg/Kg-dry	1	4/14/2020
Endosulfan sulfate	ND	0.0019		mg/Kg-dry	1	4/14/2020
Endrin	ND	0.0019		mg/Kg-dry	1	4/14/2020
Endrin aldehyde	ND	0.0019		mg/Kg-dry	1	4/14/2020
Endrin ketone	ND	0.0019		mg/Kg-dry	1	4/14/2020
gamma-BHC	ND	0.0019		mg/Kg-dry	1	4/14/2020
gamma-Chlordane	ND	0.0019		mg/Kg-dry	1	4/14/2020
Heptachlor	ND	0.0019		mg/Kg-dry	1	4/14/2020
Heptachlor epoxide	ND	0.0019		mg/Kg-dry	1	4/14/2020
Methoxychlor	ND	0.0019		mg/Kg-dry	1	4/14/2020
Toxaphene	ND	0.039		mg/Kg-dry	1	4/14/2020
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>				Prep Date: 4/14/2020	Analyst: MDT
Aluminum	11000	43		mg/Kg-dry	20	4/14/2020
Antimony	ND	4.3		mg/Kg-dry	20	4/14/2020
Arsenic	7.1	2.2		mg/Kg-dry	20	4/14/2020
Barium	340	2.2		mg/Kg-dry	20	4/14/2020
Beryllium	ND	1.1		mg/Kg-dry	20	4/14/2020
Cadmium	2.6	1.1		mg/Kg-dry	20	4/14/2020
Calcium	180000	130		mg/Kg-dry	20	4/14/2020
Chromium	29	2.2		mg/Kg-dry	20	4/14/2020
Cobalt	4.5	2.2		mg/Kg-dry	20	4/14/2020
Copper	70	5.4		mg/Kg-dry	20	4/14/2020
Iron	20000	65		mg/Kg-dry	20	4/14/2020

**Qualifiers:**

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 E - Value above quantitation range  
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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-007

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 12:55:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 4/14/2020 Analyst: MDT
Lead	250	1.1		mg/Kg-dry	20	4/14/2020
Magnesium	72000	65		mg/Kg-dry	20	4/14/2020
Manganese	750	2.2		mg/Kg-dry	20	4/14/2020
Nickel	18	2.2		mg/Kg-dry	20	4/14/2020
Potassium	1400	65		mg/Kg-dry	20	4/14/2020
Selenium	ND	2.2		mg/Kg-dry	20	4/14/2020
Silver	ND	2.2		mg/Kg-dry	20	4/14/2020
Sodium	1400	130		mg/Kg-dry	20	4/14/2020
Thallium	ND	2.2		mg/Kg-dry	20	4/14/2020
Vanadium	20	2.2		mg/Kg-dry	20	4/14/2020
Zinc	310	11		mg/Kg-dry	20	4/14/2020
<b>Mercury</b>	<b>SW7471B</b>					Prep Date: 4/14/2020 Analyst: LB
Mercury	0.16	0.023		mg/Kg-dry	1	4/14/2020
<b>Cyanide, Total</b>	<b>SW9012A</b>					Prep Date: 4/14/2020 Analyst: CAB
Cyanide	0.38	0.29		mg/Kg-dry	1	4/14/2020
<b>pH (25 °C)</b>	<b>SW9045C</b>					Prep Date: 4/13/2020 Analyst: JAR
pH	10.8			pH Units	1	4/13/2020
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 4/14/2020 Analyst: FN
Percent Moisture	16.3	0.2	*	wt%	1	4/14/2020
<b>Asbestos Analysis by TEM</b>	<b>EPA600/R-93/116</b>					Prep Date: Analyst: RJS
Chrysotile	<1			%	1	7/13/2020

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-008

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 1:00:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 4/14/2020 Analyst: TEM</b>						
Acenaphthene	0.25	0.043		mg/Kg-dry	1	4/14/2020
Acenaphthylene	ND	0.043		mg/Kg-dry	1	4/14/2020
Aniline	ND	0.43		mg/Kg-dry	1	4/14/2020
Anthracene	0.50	0.043		mg/Kg-dry	1	4/14/2020
Benz(a)anthracene	0.99	0.043		mg/Kg-dry	1	4/14/2020
Benzidine	ND	0.43		mg/Kg-dry	1	4/14/2020
Benzo(a)pyrene	0.70	0.043		mg/Kg-dry	1	4/14/2020
Benzo(b)fluoranthene	0.84	0.043		mg/Kg-dry	1	4/14/2020
Benzo(g,h,i)perylene	0.48	0.043		mg/Kg-dry	1	4/14/2020
Benzo(k)fluoranthene	0.59	0.043		mg/Kg-dry	1	4/14/2020
Benzoic acid	ND	1.1		mg/Kg-dry	1	4/14/2020
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	4/14/2020
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	4/14/2020
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	4/14/2020
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	4/14/2020
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	4/14/2020
Butyl benzyl phthalate	ND	0.22		mg/Kg-dry	1	4/14/2020
Carbazole	0.28	0.22		mg/Kg-dry	1	4/14/2020
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	4/14/2020
4-Chloro-3-methylphenol	ND	0.43		mg/Kg-dry	1	4/14/2020
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	4/14/2020
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	4/14/2020
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	4/14/2020
Chrysene	1.1	0.043		mg/Kg-dry	1	4/14/2020
Dibenz(a,h)anthracene	0.27	0.043		mg/Kg-dry	1	4/14/2020
Dibenzofuran	ND	0.22		mg/Kg-dry	1	4/14/2020
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	4/14/2020
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	4/14/2020
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	4/14/2020
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	4/14/2020
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	4/14/2020
Diethyl phthalate	ND	0.22		mg/Kg-dry	1	4/14/2020
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	4/14/2020
Dimethyl phthalate	ND	0.22		mg/Kg-dry	1	4/14/2020
4,6-Dinitro-2-methylphenol	ND	0.43		mg/Kg-dry	1	4/14/2020
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	4/14/2020
2,4-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	4/14/2020
2,6-Dinitrotoluene	ND	0.043		mg/Kg-dry	1	4/14/2020

**Qualifiers:**

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-008

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 1:00:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>				Prep Date: 4/14/2020	Analyst: TEM
Di-n-butyl phthalate	ND	0.22		mg/Kg-dry	1	4/14/2020
Di-n-octyl phthalate	ND	0.22		mg/Kg-dry	1	4/14/2020
Fluoranthene	2.5	0.043		mg/Kg-dry	1	4/14/2020
Fluorene	0.24	0.043		mg/Kg-dry	1	4/14/2020
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	4/14/2020
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	4/14/2020
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	4/14/2020
Hexachloroethane	ND	0.22		mg/Kg-dry	1	4/14/2020
Indeno(1,2,3-cd)pyrene	0.43	0.043		mg/Kg-dry	1	4/14/2020
Isophorone	ND	0.22		mg/Kg-dry	1	4/14/2020
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	4/14/2020
2-Methylphenol	ND	0.22		mg/Kg-dry	1	4/14/2020
4-Methylphenol	ND	0.22		mg/Kg-dry	1	4/14/2020
Naphthalene	0.081	0.043		mg/Kg-dry	1	4/14/2020
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	4/14/2020
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	4/14/2020
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	4/14/2020
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	4/14/2020
4-Nitrophenol	ND	0.43		mg/Kg-dry	1	4/14/2020
Nitrobenzene	ND	0.043		mg/Kg-dry	1	4/14/2020
N-Nitrosodi-n-propylamine	ND	0.043		mg/Kg-dry	1	4/14/2020
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	4/14/2020
N-Nitrosodiphenylamine	ND	0.22		mg/Kg-dry	1	4/14/2020
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	4/14/2020
Pentachlorophenol	ND	0.087		mg/Kg-dry	1	4/14/2020
Phenanthrene	3.1	0.043		mg/Kg-dry	1	4/14/2020
Phenol	ND	0.22		mg/Kg-dry	1	4/14/2020
Pyrene	2.0	0.043		mg/Kg-dry	1	4/14/2020
Pyridine	ND	0.87		mg/Kg-dry	1	4/14/2020
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	4/14/2020
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	4/14/2020
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	4/14/2020
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>				Prep Date: 4/14/2020	Analyst: GVC
Aroclor 1016	ND	0.10		mg/Kg-dry	1	4/14/2020
Aroclor 1221	ND	0.10		mg/Kg-dry	1	4/14/2020
Aroclor 1232	ND	0.10		mg/Kg-dry	1	4/14/2020
Aroclor 1242	ND	0.10		mg/Kg-dry	1	4/14/2020
Aroclor 1248	ND	0.10		mg/Kg-dry	1	4/14/2020

**Qualifiers:**

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-008

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 1:00:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>			Prep Date: 4/14/2020		Analyst: GVC
Aroclor 1254	ND	0.10		mg/Kg-dry	1	4/14/2020
Aroclor 1260	ND	0.10		mg/Kg-dry	1	4/14/2020
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 4/14/2020		Analyst: GVC
4,4'-DDD	ND	0.0021		mg/Kg-dry	1	4/14/2020
4,4'-DDE	ND	0.0021		mg/Kg-dry	1	4/14/2020
4,4'-DDT	ND	0.0021		mg/Kg-dry	1	4/14/2020
Aldrin	ND	0.0021		mg/Kg-dry	1	4/14/2020
alpha-BHC	ND	0.0021		mg/Kg-dry	1	4/14/2020
alpha-Chlordane	ND	0.0021		mg/Kg-dry	1	4/14/2020
beta-BHC	ND	0.0021		mg/Kg-dry	1	4/14/2020
Chlordane	ND	0.021		mg/Kg-dry	1	4/14/2020
delta-BHC	ND	0.0021		mg/Kg-dry	1	4/14/2020
Dieldrin	ND	0.0021		mg/Kg-dry	1	4/14/2020
Endosulfan I	ND	0.0021		mg/Kg-dry	1	4/14/2020
Endosulfan II	ND	0.0021		mg/Kg-dry	1	4/14/2020
Endosulfan sulfate	ND	0.0021		mg/Kg-dry	1	4/14/2020
Endrin	ND	0.0021		mg/Kg-dry	1	4/14/2020
Endrin aldehyde	ND	0.0021		mg/Kg-dry	1	4/14/2020
Endrin ketone	ND	0.0021		mg/Kg-dry	1	4/14/2020
gamma-BHC	ND	0.0021		mg/Kg-dry	1	4/14/2020
gamma-Chlordane	ND	0.0021		mg/Kg-dry	1	4/14/2020
Heptachlor	ND	0.0021		mg/Kg-dry	1	4/14/2020
Heptachlor epoxide	ND	0.0021		mg/Kg-dry	1	4/14/2020
Methoxychlor	ND	0.0021		mg/Kg-dry	1	4/14/2020
Toxaphene	ND	0.043		mg/Kg-dry	1	4/14/2020
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 4/14/2020		Analyst: MDT
Aluminum	11000	46		mg/Kg-dry	20	4/14/2020
Antimony	ND	4.6		mg/Kg-dry	20	4/14/2020
Arsenic	5.8	2.3		mg/Kg-dry	20	4/14/2020
Barium	390	2.3		mg/Kg-dry	20	4/14/2020
Beryllium	ND	1.2		mg/Kg-dry	20	4/14/2020
Cadmium	2.8	1.2		mg/Kg-dry	20	4/14/2020
Calcium	210000	140		mg/Kg-dry	20	4/14/2020
Chromium	32	2.3		mg/Kg-dry	20	4/14/2020
Cobalt	4.7	2.3		mg/Kg-dry	20	4/14/2020
Copper	68	5.8		mg/Kg-dry	20	4/14/2020
Iron	21000	69		mg/Kg-dry	20	4/14/2020

ND - Not Detected at the Reporting Limit

RL - Reporting / Quantitation Limit for the analysis

**Qualifiers:**

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

HT - Sample received past holding time

E - Value above quantitation range

\* - Non-accredited parameter

H - Holding time exceeded

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-008

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 1:00:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-008

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 4/14/2020 Analyst: MDT
Lead	180	1.2		mg/Kg-dry	20	4/14/2020
Magnesium	66000	69		mg/Kg-dry	20	4/14/2020
Manganese	940	2.3		mg/Kg-dry	20	4/14/2020
Nickel	18	2.3		mg/Kg-dry	20	4/14/2020
Potassium	1300	69		mg/Kg-dry	20	4/14/2020
Selenium	3.5	2.3		mg/Kg-dry	20	4/14/2020
Silver	ND	2.3		mg/Kg-dry	20	4/14/2020
Sodium	1600	140		mg/Kg-dry	20	4/14/2020
Thallium	ND	2.3		mg/Kg-dry	20	4/14/2020
Vanadium	21	2.3		mg/Kg-dry	20	4/14/2020
Zinc	300	12		mg/Kg-dry	20	4/14/2020
<b>Mercury</b>	<b>SW7471B</b>					Prep Date: 4/14/2020 Analyst: LB
Mercury	0.16	0.022		mg/Kg-dry	1	4/14/2020
<b>Cyanide, Total</b>	<b>SW9012A</b>					Prep Date: 4/14/2020 Analyst: CAB
Cyanide	ND	0.33		mg/Kg-dry	1	4/14/2020
<b>pH (25 °C)</b>	<b>SW9045C</b>					Prep Date: 4/13/2020 Analyst: JAR
pH	10.9			pH Units	1	4/13/2020
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 4/14/2020 Analyst: FN
Percent Moisture	23.1	0.2	*	wt%	1	4/14/2020
<b>Asbestos Analysis by TEM</b>	<b>EPA600/R-93/116</b>					Prep Date: Analyst: RJS
Chrysotile	<1			%	1	7/13/2020

**Qualifiers:**

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RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
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 E - Value above quantitation range  
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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-009

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 1:10:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
<b>SW8270C (SW3550B)</b>		Prep Date: 4/14/2020		Analyst: TEM		
Acenaphthene	0.26	0.038		mg/Kg-dry	1	4/14/2020
Acenaphthylene	ND	0.038		mg/Kg-dry	1	4/14/2020
Aniline	ND	0.39		mg/Kg-dry	1	4/14/2020
Anthracene	0.55	0.038		mg/Kg-dry	1	4/14/2020
Benz(a)anthracene	1.7	0.038		mg/Kg-dry	1	4/14/2020
Benzidine	ND	0.38		mg/Kg-dry	1	4/14/2020
Benzo(a)pyrene	1.5	0.038		mg/Kg-dry	1	4/14/2020
Benzo(b)fluoranthene	1.8	0.038		mg/Kg-dry	1	4/14/2020
Benzo(g,h,i)perylene	1.1	0.038		mg/Kg-dry	1	4/14/2020
Benzo(k)fluoranthene	1.3	0.038		mg/Kg-dry	1	4/14/2020
Benzoic acid	ND	0.96		mg/Kg-dry	1	4/14/2020
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	4/14/2020
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	4/14/2020
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	4/14/2020
Bis(2-ethylhexyl)phthalate	ND	0.96		mg/Kg-dry	1	4/14/2020
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/14/2020
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	4/14/2020
Carbazole	0.36	0.20		mg/Kg-dry	1	4/14/2020
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	4/14/2020
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	4/14/2020
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	4/14/2020
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	4/14/2020
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/14/2020
Chrysene	2.0	0.038		mg/Kg-dry	1	4/14/2020
Dibenz(a,h)anthracene	0.60	0.038		mg/Kg-dry	1	4/14/2020
Dibenzofuran	ND	0.20		mg/Kg-dry	1	4/14/2020
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/14/2020
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/14/2020
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/14/2020
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	4/14/2020
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	4/14/2020
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	4/14/2020
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	4/14/2020
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	4/14/2020
4,6-Dinitro-2-methylphenol	ND	0.38		mg/Kg-dry	1	4/14/2020
2,4-Dinitrophenol	ND	0.96		mg/Kg-dry	1	4/14/2020
2,4-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	4/14/2020
2,6-Dinitrotoluene	ND	0.038		mg/Kg-dry	1	4/14/2020

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-009

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 1:10:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>		Prep Date: 4/14/2020		Analyst: TEM	
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	4/14/2020
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	4/14/2020
Fluoranthene	3.2	0.038		mg/Kg-dry	1	4/14/2020
Fluorene	0.24	0.038		mg/Kg-dry	1	4/14/2020
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	4/14/2020
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	4/14/2020
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	4/14/2020
Hexachloroethane	ND	0.20		mg/Kg-dry	1	4/14/2020
Indeno(1,2,3-cd)pyrene	0.99	0.038		mg/Kg-dry	1	4/14/2020
Isophorone	ND	0.20		mg/Kg-dry	1	4/14/2020
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	4/14/2020
2-Methylphenol	ND	0.20		mg/Kg-dry	1	4/14/2020
4-Methylphenol	ND	0.20		mg/Kg-dry	1	4/14/2020
Naphthalene	0.085	0.038		mg/Kg-dry	1	4/14/2020
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/14/2020
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/14/2020
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/14/2020
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	4/14/2020
4-Nitrophenol	ND	0.38		mg/Kg-dry	1	4/14/2020
Nitrobenzene	ND	0.038		mg/Kg-dry	1	4/14/2020
N-Nitrosodi-n-propylamine	ND	0.038		mg/Kg-dry	1	4/14/2020
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	4/14/2020
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	4/14/2020
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	4/14/2020
Pentachlorophenol	ND	0.078		mg/Kg-dry	1	4/14/2020
Phenanthrene	2.5	0.038		mg/Kg-dry	1	4/14/2020
Phenol	ND	0.20		mg/Kg-dry	1	4/14/2020
Pyrene	2.6	0.038		mg/Kg-dry	1	4/14/2020
Pyridine	ND	0.78		mg/Kg-dry	1	4/14/2020
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	4/14/2020
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/14/2020
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/14/2020
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>		Prep Date: 4/14/2020		Analyst: GVC	
Aroclor 1016	ND	0.091		mg/Kg-dry	1	4/14/2020
Aroclor 1221	ND	0.091		mg/Kg-dry	1	4/14/2020
Aroclor 1232	ND	0.091		mg/Kg-dry	1	4/14/2020
Aroclor 1242	ND	0.091		mg/Kg-dry	1	4/14/2020
Aroclor 1248	ND	0.091		mg/Kg-dry	1	4/14/2020

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-009

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 1:10:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>			Prep Date: 4/14/2020		Analyst: GVC
Aroclor 1254	ND	0.091		mg/Kg-dry	1	4/14/2020
Aroclor 1260	ND	0.091		mg/Kg-dry	1	4/14/2020
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 4/14/2020		Analyst: GVC
4,4'-DDD	ND	0.0018		mg/Kg-dry	1	4/14/2020
4,4'-DDE	ND	0.0018		mg/Kg-dry	1	4/14/2020
4,4'-DDT	ND	0.0018		mg/Kg-dry	1	4/14/2020
Aldrin	ND	0.0018		mg/Kg-dry	1	4/14/2020
alpha-BHC	ND	0.0018		mg/Kg-dry	1	4/14/2020
alpha-Chlordane	ND	0.0018		mg/Kg-dry	1	4/14/2020
beta-BHC	ND	0.0018		mg/Kg-dry	1	4/14/2020
Chlordane	ND	0.018		mg/Kg-dry	1	4/14/2020
delta-BHC	ND	0.0018		mg/Kg-dry	1	4/14/2020
Dieldrin	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endosulfan I	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endosulfan II	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endosulfan sulfate	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endrin	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endrin aldehyde	ND	0.0018		mg/Kg-dry	1	4/14/2020
Endrin ketone	ND	0.0018		mg/Kg-dry	1	4/14/2020
gamma-BHC	ND	0.0018		mg/Kg-dry	1	4/14/2020
gamma-Chlordane	ND	0.0018		mg/Kg-dry	1	4/14/2020
Heptachlor	ND	0.0018		mg/Kg-dry	1	4/14/2020
Heptachlor epoxide	ND	0.0018		mg/Kg-dry	1	4/14/2020
Methoxychlor	ND	0.0018		mg/Kg-dry	1	4/14/2020
Toxaphene	ND	0.038		mg/Kg-dry	1	4/14/2020
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 4/14/2020		Analyst: MDT
Aluminum	11000	42		mg/Kg-dry	20	4/14/2020
Antimony	ND	4.2		mg/Kg-dry	20	4/14/2020
Arsenic	9.9	2.1		mg/Kg-dry	20	4/14/2020
Barium	420	2.1		mg/Kg-dry	20	4/14/2020
Beryllium	1.1	1.0		mg/Kg-dry	20	4/14/2020
Cadmium	3.8	1.0		mg/Kg-dry	20	4/14/2020
Calcium	150000	130		mg/Kg-dry	20	4/14/2020
Chromium	43	2.1		mg/Kg-dry	20	4/14/2020
Cobalt	5.6	2.1		mg/Kg-dry	20	4/14/2020
Copper	72	5.2		mg/Kg-dry	20	4/14/2020
Iron	49000	63		mg/Kg-dry	20	4/14/2020

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-009

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 1:10:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 4/14/2020 Analyst: MDT
Lead	190	1.0		mg/Kg-dry	20	4/14/2020
Magnesium	58000	63		mg/Kg-dry	20	4/14/2020
Manganese	880	2.1		mg/Kg-dry	20	4/14/2020
Nickel	25	2.1		mg/Kg-dry	20	4/14/2020
Potassium	1100	63		mg/Kg-dry	20	4/14/2020
Selenium	3.1	2.1		mg/Kg-dry	20	4/14/2020
Silver	ND	2.1		mg/Kg-dry	20	4/14/2020
Sodium	2100	130		mg/Kg-dry	20	4/14/2020
Thallium	ND	2.1		mg/Kg-dry	20	4/14/2020
Vanadium	30	2.1		mg/Kg-dry	20	4/14/2020
Zinc	390	10		mg/Kg-dry	20	4/14/2020
<b>Mercury</b>	<b>SW7471B</b>					Prep Date: 4/14/2020 Analyst: LB
Mercury	0.11	0.019		mg/Kg-dry	1	4/14/2020
<b>Cyanide, Total</b>	<b>SW9012A</b>					Prep Date: 4/14/2020 Analyst: CAB
Cyanide	ND	0.29		mg/Kg-dry	1	4/14/2020
<b>pH (25 °C)</b>	<b>SW9045C</b>					Prep Date: 4/13/2020 Analyst: JAR
pH	9.56			pH Units	1	4/13/2020
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 4/14/2020 Analyst: FN
Percent Moisture	14.2	0.2	*	wt%	1	4/14/2020
<b>Asbestos Analysis by TEM</b>	<b>EPA600/R-93/116</b>					Prep Date: Analyst: RJS
Asbestos Components	ND			%	1	7/13/2020

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-010

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 1:15:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-010

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS SW8270C (SW3550B) Prep Date: 4/14/2020 Analyst: TEM</b>						
Acenaphthene	0.21	0.040		mg/Kg-dry	1	4/14/2020
Acenaphthylene	ND	0.040		mg/Kg-dry	1	4/14/2020
Aniline	ND	0.40		mg/Kg-dry	1	4/14/2020
Anthracene	0.39	0.040		mg/Kg-dry	1	4/14/2020
Benz(a)anthracene	1.2	0.040		mg/Kg-dry	1	4/14/2020
Benzidine	ND	0.40		mg/Kg-dry	1	4/14/2020
Benzo(a)pyrene	1.2	0.040		mg/Kg-dry	1	4/14/2020
Benzo(b)fluoranthene	1.2	0.040		mg/Kg-dry	1	4/14/2020
Benzo(g,h,i)perylene	0.82	0.040		mg/Kg-dry	1	4/14/2020
Benzo(k)fluoranthene	0.97	0.040		mg/Kg-dry	1	4/14/2020
Benzoic acid	ND	1.0		mg/Kg-dry	1	4/14/2020
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	4/14/2020
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	4/14/2020
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	4/14/2020
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	4/14/2020
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/14/2020
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	4/14/2020
Carbazole	0.23	0.20		mg/Kg-dry	1	4/14/2020
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	4/14/2020
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	4/14/2020
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	4/14/2020
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	4/14/2020
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	4/14/2020
Chrysene	1.4	0.040		mg/Kg-dry	1	4/14/2020
Dibenz(a,h)anthracene	0.41	0.040		mg/Kg-dry	1	4/14/2020
Dibenzofuran	ND	0.20		mg/Kg-dry	1	4/14/2020
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/14/2020
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/14/2020
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	4/14/2020
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	4/14/2020
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	4/14/2020
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	4/14/2020
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	4/14/2020
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	4/14/2020
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	4/14/2020
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	4/14/2020
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	4/14/2020
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	4/14/2020

**Qualifiers:**

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Date Reported: April 16, 2020

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**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-010

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 1:15:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-010

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>		Prep Date: 4/14/2020		Analyst: TEM	
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	4/14/2020
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	4/14/2020
Fluoranthene	2.9	0.040		mg/Kg-dry	1	4/14/2020
Fluorene	0.20	0.040		mg/Kg-dry	1	4/14/2020
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	4/14/2020
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	4/14/2020
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	4/14/2020
Hexachloroethane	ND	0.20		mg/Kg-dry	1	4/14/2020
Indeno(1,2,3-cd)pyrene	0.75	0.040		mg/Kg-dry	1	4/14/2020
Isophorone	ND	0.20		mg/Kg-dry	1	4/14/2020
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	4/14/2020
2-Methylphenol	ND	0.20		mg/Kg-dry	1	4/14/2020
4-Methylphenol	ND	0.20		mg/Kg-dry	1	4/14/2020
Naphthalene	0.044	0.040		mg/Kg-dry	1	4/14/2020
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/14/2020
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/14/2020
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	4/14/2020
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	4/14/2020
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	4/14/2020
Nitrobenzene	ND	0.040		mg/Kg-dry	1	4/14/2020
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	4/14/2020
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	4/14/2020
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	4/14/2020
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	4/14/2020
Pentachlorophenol	ND	0.080		mg/Kg-dry	1	4/14/2020
Phenanthrene	2.3	0.040		mg/Kg-dry	1	4/14/2020
Phenol	ND	0.20		mg/Kg-dry	1	4/14/2020
Pyrene	2.3	0.040		mg/Kg-dry	1	4/14/2020
Pyridine	ND	0.80		mg/Kg-dry	1	4/14/2020
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	4/14/2020
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/14/2020
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	4/14/2020
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>		Prep Date: 4/14/2020		Analyst: GVC	
Aroclor 1016	ND	0.096		mg/Kg-dry	1	4/14/2020
Aroclor 1221	ND	0.096		mg/Kg-dry	1	4/14/2020
Aroclor 1232	ND	0.096		mg/Kg-dry	1	4/14/2020
Aroclor 1242	ND	0.096		mg/Kg-dry	1	4/14/2020
Aroclor 1248	ND	0.096		mg/Kg-dry	1	4/14/2020

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-010

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 1:15:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-010

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs</b>						
	<b>SW8082A (SW3550B)</b>			Prep Date: 4/14/2020		Analyst: GVC
Aroclor 1254	ND	0.096		mg/Kg-dry	1	4/14/2020
Aroclor 1260	ND	0.096		mg/Kg-dry	1	4/14/2020
<b>Pesticides</b>						
	<b>SW8081B (SW3550B)</b>			Prep Date: 4/14/2020		Analyst: GVC
4,4'-DDD	ND	0.0019		mg/Kg-dry	1	4/14/2020
4,4'-DDE	ND	0.0019		mg/Kg-dry	1	4/14/2020
4,4'-DDT	ND	0.0019		mg/Kg-dry	1	4/14/2020
Aldrin	ND	0.0019		mg/Kg-dry	1	4/14/2020
alpha-BHC	ND	0.0019		mg/Kg-dry	1	4/14/2020
alpha-Chlordane	ND	0.0019		mg/Kg-dry	1	4/14/2020
beta-BHC	ND	0.0019		mg/Kg-dry	1	4/14/2020
Chlordane	ND	0.019		mg/Kg-dry	1	4/14/2020
delta-BHC	ND	0.0019		mg/Kg-dry	1	4/14/2020
Dieldrin	ND	0.0019		mg/Kg-dry	1	4/14/2020
Endosulfan I	ND	0.0019		mg/Kg-dry	1	4/14/2020
Endosulfan II	ND	0.0019		mg/Kg-dry	1	4/14/2020
Endosulfan sulfate	ND	0.0019		mg/Kg-dry	1	4/14/2020
Endrin	ND	0.0019		mg/Kg-dry	1	4/14/2020
Endrin aldehyde	ND	0.0019		mg/Kg-dry	1	4/14/2020
Endrin ketone	ND	0.0019		mg/Kg-dry	1	4/14/2020
gamma-BHC	ND	0.0019		mg/Kg-dry	1	4/14/2020
gamma-Chlordane	ND	0.0019		mg/Kg-dry	1	4/14/2020
Heptachlor	ND	0.0019		mg/Kg-dry	1	4/14/2020
Heptachlor epoxide	ND	0.0019		mg/Kg-dry	1	4/14/2020
Methoxychlor	ND	0.0019		mg/Kg-dry	1	4/14/2020
Toxaphene	ND	0.040		mg/Kg-dry	1	4/14/2020
<b>Metals by ICP/MS</b>						
	<b>SW6020A (SW3050B)</b>			Prep Date: 4/14/2020		Analyst: MDT
Aluminum	12000	43		mg/Kg-dry	20	4/14/2020
Antimony	ND	4.3		mg/Kg-dry	20	4/14/2020
Arsenic	9.8	2.1		mg/Kg-dry	20	4/14/2020
Barium	240	2.1		mg/Kg-dry	20	4/14/2020
Beryllium	ND	1.1		mg/Kg-dry	20	4/14/2020
Cadmium	ND	1.1		mg/Kg-dry	20	4/14/2020
Calcium	23000	130		mg/Kg-dry	20	4/14/2020
Chromium	23	2.1		mg/Kg-dry	20	4/14/2020
Cobalt	9.2	2.1		mg/Kg-dry	20	4/14/2020
Copper	41	5.4		mg/Kg-dry	20	4/14/2020
Iron	24000	64		mg/Kg-dry	20	4/14/2020

ND - Not Detected at the Reporting Limit

RL - Reporting / Quantitation Limit for the analysis

Qualifiers: J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

HT - Sample received past holding time

E - Value above quantitation range

\* - Non-accredited parameter

H - Holding time exceeded

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Date Reported: April 16, 2020

Date Printed: April 16, 2020

**ANALYTICAL RESULTS**

Client: Carnow, Conibear, &amp; Associates

Client Sample ID: RH-413-010

Work Order: 20040320 Revision 0

Collection Date: 4/13/2020 1:15:00 PM

Project: RH-SET-Chicago, SET Generating Station, 3501 S.

Matrix: Soil

Lab ID: 20040320-010

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Metals by ICP/MS</b>	<b>SW6020A (SW3050B)</b>					Prep Date: 4/14/2020 Analyst: MDT
Lead	90	1.1		mg/Kg-dry	20	4/14/2020
Magnesium	12000	64		mg/Kg-dry	20	4/14/2020
Manganese	530	2.1		mg/Kg-dry	20	4/14/2020
Nickel	21	2.1		mg/Kg-dry	20	4/14/2020
Potassium	1900	64		mg/Kg-dry	20	4/14/2020
Selenium	ND	2.1		mg/Kg-dry	20	4/14/2020
Silver	ND	2.1		mg/Kg-dry	20	4/14/2020
Sodium	280	130		mg/Kg-dry	20	4/14/2020
Thallium	ND	2.1		mg/Kg-dry	20	4/14/2020
Vanadium	25	2.1		mg/Kg-dry	20	4/14/2020
Zinc	170	11		mg/Kg-dry	20	4/14/2020
<b>Mercury</b>	<b>SW7471B</b>					Prep Date: 4/14/2020 Analyst: LB
Mercury	0.096	0.024		mg/Kg-dry	1	4/14/2020
<b>Cyanide, Total</b>	<b>SW9012A</b>					Prep Date: 4/14/2020 Analyst: CAB
Cyanide	ND	0.30		mg/Kg-dry	1	4/14/2020
<b>pH (25 °C)</b>	<b>SW9045C</b>					Prep Date: 4/13/2020 Analyst: JAR
pH	9.29			pH Units	1	4/13/2020
<b>Percent Moisture</b>	<b>D2974</b>					Prep Date: 4/14/2020 Analyst: FN
Percent Moisture	17.4	0.2	*	wt%	1	4/14/2020
<b>Asbestos Analysis by TEM</b>	<b>EPA600/R-93/116</b>					Prep Date: Analyst: RJS
Chrysotile	<1			%	1	7/13/2020

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 HT - Sample received past holding time  
 \* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 H - Holding time exceeded

# CHAIN OF CUSTODY RECORD

[illegible]

## Sample Receipt Checklist

Client Name CCA

Date and Time Received: 4/13/2020 3:40:00 PM

Work Order Number 20040320

Received by: EAA

Checklist completed by: [Signature]  
Signature

4/13/20  
Date

Reviewed by: ADN  
Initials

4/14/20  
Date

Matrix:

Carrier name: Client Delivered

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/> *	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature On Ice °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments: TO-15 cans were ambient temperature.  
\* TO-15 CANS HAD NO SAMPLE COLLECTED.

Client / Person contacted:

ROD HARVEY

Date contacted: 04/13/2020 1853

Contacted by: Q VERBAL

Response:

WILL RE-COLLECT TO-15 SAMPLES.







# SUMMA Canisters

- Summa Canisters
- SUMMA Canister
  - SUMMA Canister
  - SUMMA Canister
  - SUMMA Canister

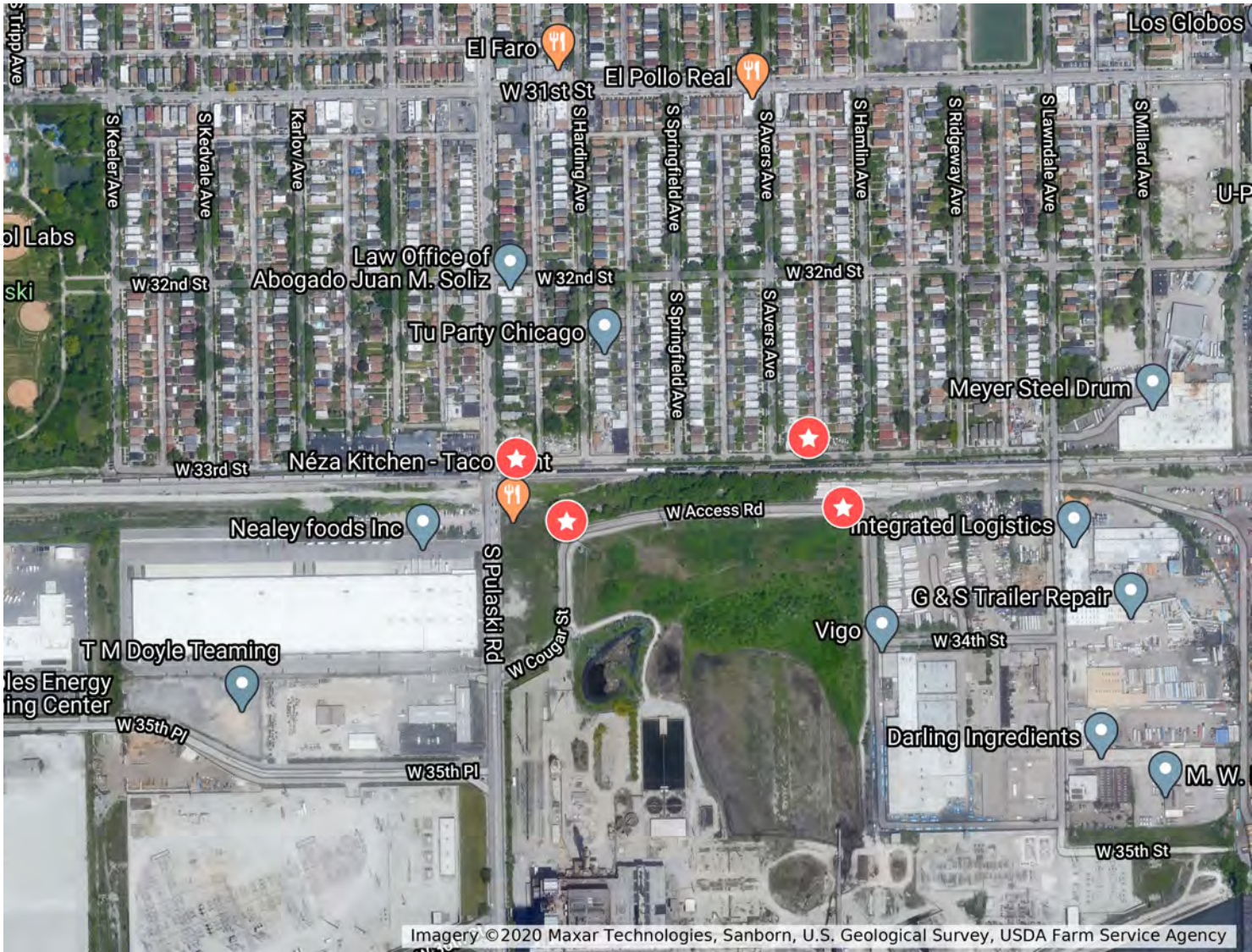




TABLE 3.2.1 - SOIL ANALYTICAL RESULTS (VOCs, FOC, TPH)  
FORMER CRAWFORD STATION - SOUTH SECTION  
3501 S. PULASKI  
CHICAGO, ILLINOIS

Chemical Name	35 IAC Part 742, Appendix B, Tables A and B						ADL (mg/kg)	V3							
	Exposure Route-Specific Values for Soils				Soil Component of the Groundwater Ingestion Exposure Route Values	Generating Plant		Jet Fuel AST/Peaker							
	Industrial-Commercial		Construction Worker					12/19/2018	03/19/2018	03/19/2018	03/20/2018	03/20/2018	03/20/2018	03/20/2018	05/17/2018
								SS-GP-321 (1-3)	SS-GP-104 (1-3)	SS-GP-104 (3.5-5)	SS-GP-106 (6-8)	SS-GP-107 (6-8)	SS-GP-108 (2-4)	SS-GP-109 (1.5-3)	SS-HA-201 (1-3)
								Ingestion (mg/kg)	Inhalation (mg/kg)	Ingestion (mg/kg)	Inhalation (mg/kg)	Class II (mg/kg)	1-3 ft mg/kg	1-3 ft mg/kg	3.5-5 ft mg/kg
Volatile Organic Compounds (Method - 5035/8260B)															
Acetone	----g	100,000d	----g	100,000d	25	*	< 0.064	---	---	---	---	---	---	---	
Benzene	100e	1.6e	2,300e	2.2e	0.17	*	< 0.0042	< 0.0050	< 0.0051	< 0.0058	< 0.0068	< 0.0051	< 0.0055	---	
Bromodichloromethane (Dichlorobromomethane)	92e	3,000d	2,000e	3,000d	0.6	*	< 0.0042	---	---	---	---	---	---	---	
Bromoform	720e	100e	16,000e	140e	0.8	*	< 0.0042	---	---	---	---	---	---	---	
Bromomethane (methyl bromide)	2900b	15b	1000b	3.9b	1.2	**	< 0.0085	---	---	---	---	---	---	---	
2-Butanone (MEK)	**	**	**	**	**	**	< 0.064	---	---	---	---	---	---	---	
Carbon disulfide	200,000b	720d	20,000b	9.0b	160	*	< 0.042	---	---	---	---	---	---	---	
Carbon tetrachloride	44e	0.64e	410b	0.90e	0.33	*	< 0.0042	---	---	---	---	---	---	---	
Chlorobenzene (Monochlorobenzene)	41,000b	210b	4,100b	1.3b	6.5	*	< 0.0042	---	---	---	---	---	---	---	
Chloroethane	**	**	**	**	**	**	< 0.0085	---	---	---	---	---	---	---	
Chloroform	940e	0.54e	2,000b	0.76e	2.9	*	< 0.0042	---	---	---	---	---	---	---	
Chloromethane	**	**	**	**	**	**	< 0.0085	---	---	---	---	---	---	---	
Dibromochloromethane (Chlorodibromomethane)	41,000b	1,300d	41,000b	1,300d	0.4	*	< 0.0042	---	---	---	---	---	---	---	
1,1-Dichloroethane	200,000b	1,700d	200,000b	130b	110	*	< 0.0042	---	---	---	---	---	---	---	
1,2-Dichloroethane (Ethylene dichloride)	63e	0.70e	1,400e	0.99e	0.1	*	< 0.0042	---	---	---	---	---	---	---	
1,1-Dichloroethene (1,1-Dichloroethylene)	100,000b	470d	10,000b	3.0b	0.3	*	< 0.0042	---	---	---	---	---	---	---	
cis-1,2-Dichloroethene (cis-1,2-Dichloroethylene)	20,000b	1,200d	20,000b	1,200d	1.1	*	< 0.0042	---	---	---	---	---	---	---	
trans-1,2-Dichloroethene (trans-1,2-Dichloroethylene)	41,000b	3,100d	41,000b	3,100d	3.4	*	< 0.0042	---	---	---	---	---	---	---	
1,2-Dichloropropane	84e	23b	1,800e	0.50b	0.15	*	< 0.0042	---	---	---	---	---	---	---	
cis-1,3-Dichloropropene (1)	57e	2.1e	1,200e	0.39b	0.02	0.005	< 0.0017	---	---	---	---	---	---	---	
trans-1,3-Dichloropropene (1)	57e	2.1e	1,200e	0.39b	0.02	0.005	< 0.0017	---	---	---	---	---	---	---	
Ethylbenzene	200,000b	400d	20,000b	58b	19	*	< 0.0042	< 0.0050	< 0.0051	< 0.0058	< 0.0068	< 0.0051	< 0.0055	---	
2-Hexanone	**	**	**	**	**	**	< 0.017	---	---	---	---	---	---	---	
4-Methyl-2-pentanone (MIBK)	**	**	**	**	**	**	< 0.017	---	---	---	---	---	---	---	
Methylene chloride (Dichloromethane)	760e	24e	12,000b	34e	0.2	*	< 0.0085	---	---	---	---	---	---	---	
MTBE (methyl tertiary-butyl ether)	20,000b	8,800d	2,000b	140b	0.32	*	< 0.0042	---	---	---	---	---	---	---	
Styrene	410,000b	1,500d	41,000b	430b	18	*	< 0.0042	---	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	**	**	**	**	**	**	< 0.0042	---	---	---	---	---	---	---	
Tetrachloroethene (Perchloroethylene)	110e	20e	2,400e	28e	0.3	*	< 0.0042	---	---	---	---	---	---	---	
Toluene	410,000b	650d	410,000b	42b	29	*	< 0.0042	< 0.0050	< 0.0051	< 0.0058	< 0.0068	< 0.0051	< 0.0055	---	
1,1,1-Trichloroethane	---C	1,200d	---C	1,200d	9.6	*	0.030	---	---	---	---	---	---	---	
1,1,2-Trichloroethane	8,200b	1,800d	8,200b	1,800d	0.3	*	< 0.0042	---	---	---	---	---	---	---	
Trichloroethene (Trichloroethylene)	520e	8.9e	1,200b	12e	0.3	*	< 0.0042	---	---	---	---	---	---	---	
Vinyl Chloride	7.9e	1.1e	170e	1.1b	0.07	*	< 0.0042	---	---	---	---	---	---	---	
Xylenes (total)	410,000b	320d	41,000b	5.6b	150	*	< 0.013	< 0.015	< 0.015	< 0.018	< 0.020	< 0.015	< 0.017	---	
FOC															
Organic Carbon Content, [Fractional-with 0.58 factor] [wt%]							---	---	---	---	---	---	---	---	
Organic Carbon Matter [wt%]							---	---	---	---	---	---	---	---	
TPH (8015B)															
TPH (GRO)							---	< 22	< 24	< 22	< 24	< 23	69	< 24	
TPH (DRO)							---	< 22	< 24	< 22	< 24	< 23	840	< 24	
TPH (ERO)							---	< 22	< 24	< 22	< 24	< 23	< 23	< 24	
Total TPH (GRO + DRO + ERO) calculated value							---	ND	ND	ND	ND	ND	909	ND	

Part 742 Notes

\* indicates that the ADL is less than or equal to the specified remediation objective.  
\*\* indicates that the value is not listed in TACO, Section 742, Table A or B.  
NA means Not Available; no PQL or EQL available in USEPA analytical methods.

V3 Table Notes:

0.11	Indicates exceedance of Tier 1 remediation objective
---	Indicates chemical not analyzed or not sampled
51,900	Above default soil saturation limit (0-3m is 6,000 mg/kg, 3m+ is 2,000 mg/kg)
(1)	(1) indicates value is for (1,3-Dichloropropylene, cis+trans)
	See attached for notations for specified TACO RO.





TABLE 3.2.2 - SOIL ANALYTICAL RESULTS (SVOCs)  
FORMER CRAWFORD STATION - SOUTH SECTION  
3501 S. PULASKI  
CHICAGO, ILLINOIS

Chemical Name	Exposure Route-Specific Values for Soils				Soil Component of the Groundwater Ingestion Exposure Route Values	Chicago Background Carcinogenic PAH 95th Percentile Concentrations	ADL (mg/kg)	V3						
	Industrial-Commercial		Construction Worker					Generating Plant	Jet Fuel AST/Peaker					
									12/19/2018 SS-GP-321 (1-3)	03/19/2018 SS-GP-104 (1-3)	03/20/2018 SS-GP-106 (6-8)	03/20/2018 SS-GP-107 (6-8)	03/20/2018 SS-GP-108 (2-4)	03/20/2018 SS-GP-109 (1.5-3)
Ingestion (mg/kg)	Inhalation (mg/kg)	Ingestion (mg/kg)	Inhalation (mg/kg)	Class II (mg/kg)	Chicago (mg/kg)	1-3 ft mg/kg	1-3 ft mg/kg	6-8 ft mg/kg	6-8 ft mg/kg	2-4 ft mg/kg	1.5-3 ft mg/kg			
Semivolatiles (Method - 8270C/8270SIM)														
Base Neutral/Acid Compounds (Includes Polynuclear Aromatics)								Excavated						
Acenaphthene	120,000b	----C	120,000b	----C	2,900	0.09	*	< 0.039	0.042	< 0.039	< 0.039	< 0.039		
Acenaphthylene	**	**	**	**	**	0.03	**	< 0.039	0.044	< 0.039	< 0.039	< 0.039		
Anthracene	610,000b	----C	610,000b	----C	59,000	0.25	*	< 0.039	0.31	< 0.039	< 0.039	< 0.039		
Aniline	**	**	**	**	**	**	**	< 0.40	---	---	---	---		
Benzidine	**	**	**	**	**	**	**	< 0.39	---	---	---	---		
Benzo(a)anthracene	8e	----C	170e	----C	8	1.1	*	< 0.039	2.7	< 0.039	< 0.039	< 0.039		
Benzo(a)pyrene	0.8e,x	----C	17e	----C	82	1.3	*	< 0.039	3.4	< 0.039	< 0.039	< 0.039		
Benzo(b)fluoranthene	8e	----C	170e	----C	25	1.5	*	< 0.039	3.8	< 0.039	< 0.039	< 0.039		
Benzo(g,h,i)perylene	**	**	**	**	**	0.68	**	< 0.039	2.6	< 0.039	< 0.039	< 0.039		
Benzo(k)fluoranthene	78e	----C	1,700e	----C	250	0.99	*	< 0.039	3.1	< 0.039	< 0.039	< 0.039		
Benzoic Acid	1,000,000b	----C	820,000b	----C	400i	**	**	< 0.99	---	---	---	---		
Benzyl alcohol	**	**	**	**	**	**	**	< 0.20	---	---	---	---		
bis (2-Chloroethoxy)methane	**	**	**	**	**	**	**	< 0.20	---	---	---	---		
bis (2-Chloroethyl)ether	5e	0.47e	75e	0.66e	0.0004	**	0.66	< 0.20	---	---	---	---		
bis (2-Ethylhexyl)phthalate	410e	31,000d	4,100b	31,000d	31,000d	**	*	< 0.99	---	---	---	---		
4-Bromophenyl-phenylether	**	**	**	**	**	**	**	< 0.20	---	---	---	---		
Butyl benzyl phthalate	410,000b	930d	410,000b	930d	930d	**	*	< 0.20	---	---	---	---		
Carbazole	290e	----C	6200e	----C	2.8	**	NA	< 0.20	---	---	---	---		
4-Chloroaniline	8,200b	----C	820b	----C	0.7	**	*	< 0.20	---	---	---	---		
4-Chloro-3-methylphenol	**	**	**	**	**	**	**	< 0.39	---	---	---	---		
2-Chloronaphthalene	**	**	**	**	**	**	**	< 0.20	---	---	---	---		
2-Chlorophenol	10,000b	53,000d	10,000b	53,000d	4i	**	*	< 0.20	---	---	---	---		
4-Chlorophenyl-phenylether	**	**	**	**	**	**	**	< 0.20	---	---	---	---		
Chrysene	780e	----C	17,000e	----C	800	1.2	*	< 0.039	3.1	< 0.039	< 0.039	< 0.039		
Dibenzo(a,h)anthracene	0.8e	----C	17e	----C	7.6	0.20	*	< 0.039	1.1	< 0.039	< 0.039	< 0.039		
Dibenzofuran	**	**	**	**	**	**	**	< 0.20	---	---	---	---		
1,2-Dichlorobenzene (o-Dichlorobenzene)	180,000b	560d	18,000b	310b	43	**	*	< 0.20	---	---	---	---		
1,3-Dichlorobenzene	**	**	**	**	**	**	**	< 0.20	---	---	---	---		
1,4-Dichlorobenzene (p-Dichlorobenzene)	----C	17,000b	----C	340b	11	**	*	< 0.20	---	---	---	---		
3,3'-Dichlorobenzidine	13e	----C	280e	----C	0.033	**	1.3	< 0.20	---	---	---	---		
2,4-Dichlorophenol	6100b	----C	610b	----C	1i	**	*	< 0.20	---	---	---	---		
Diethyl phthalate	1,000,000b	2,000d	1,000,000b	2,000d	470	**	*	< 0.20	---	---	---	---		
2,4-Dimethylphenol	41,000b	----C	41,000b	----C	9	**	*	< 0.20	---	---	---	---		
Dimethylphthalate	**	**	**	**	**	**	**	< 0.20	---	---	---	---		
4,6-Dinitro-2-methylphenol	**	**	**	**	**	**	**	< 0.39	---	---	---	---		
2,4-Dinitrophenol	4,100b	----C	410b	----C	0.2	**	3.3	< 0.99	---	---	---	---		
2,4-Dinitrotoluene	8.4e	----C	180e	----C	0.0008	**	0.25	< 0.039	---	---	---	---		
2,6-Dinitrotoluene	8.4e	----C	180e	----C	0.0007	**	0.26	< 0.039	---	---	---	---		
Di-n-butylphthalate	200,000b	2,300d	200,000b	2,300d	2300d	**	*	< 0.20	---	---	---	---		
Di-n-octylphthalate	41,000e	10,000d	4,100b	10,000d	10,000d	**	*	< 0.20	---	---	---	---		
Fluoranthene	82,000b	----C	82,000b	----C	21000	2.7	*	< 0.039	2.9	< 0.039	< 0.039	< 0.039		
Fluorene	82,000b	----C	82,000b	----C	2800	0.1	*	< 0.039	0.043	< 0.039	< 0.039	< 0.039		
Hexachlorobenzene	4e	1.8e	78e	2.6e	11	**	*	< 0.20	---	---	---	---		
Hexachlorobutadiene	**	**	**	**	**	**	**	< 0.20	---	---	---	---		
Hexachlorocyclopentadiene	14,000b	16b	14,000b	1.1b	2200d	**	*	< 0.20	---	---	---	---		
Hexachloroethane	2,000b	----C	2,000b	----C	2.6	**	*	< 0.20	---	---	---	---		
Indeno(1,2,3-c,d')pyrene	8e	----C	170e	----C	69	0.86	*	< 0.039	2.2	< 0.039	< 0.039	< 0.039		
Isophorone	410,000b	4,600d	410,000b	4,600d	8	**	*	< 0.20	---	---	---	---		
2-Methylnaphthalene	**	**	**	**	**	**	**	< 0.20	---	---	---	---		
2-Methylphenol (o-cresol)	100,000b	----C	100,000b	----C	15	**	**	< 0.20	---	---	---	---		
4-Methylphenol (p-cresol)	**	**	**	**	**	**	**	< 0.20	---	---	---	---		
Naphthalene	41,000b	270b	4,100b	1.8b	18	0.04	*	< 0.039	< 0.037	< 0.039	< 0.039	< 0.039		
2-Nitroaniline	**	**	**	**	**	**	**	< 0.20	---	---	---	---		
3-Nitroaniline	**	**	**	**	**	**	**	< 0.20	---	---	---	---		
4-Nitroaniline	**	**	**	**	**	**	**	< 0.20	---	---	---	---		
2-Nitrophenol	**	**	**	**	**	**	**	< 0.20	---	---	---	---		
4-Nitrophenol	**	**	**	**	**	**	**	< 0.39	---	---	---	---		
Nitrobenzene	1,000b	140b	1,000b	9.4b	0.1	**	0.26	< 0.039	---	---	---	---		
N-Nitroso-di-n-propylamine	0.8e	----C	18e	----C	0.00005	**	0.0018	< 0.039	---	---	---	---		
N-Nitrosodimethylamine	**	**	**	**	**	**	**	< 0.20	---	---	---	---		
N-Nitrosodiphenylamine	1,200e	----C	25,000e	----C	5.6	**	*	< 0.20	---	---	---	---		
2, 2'-oxybis(1-Chloropropane) or bis (2-chloroisopropyl)ether	**	**	**	**	**	**	**	< 0.20	---	---	---	---		
Pentachlorophenol	24e,j	----C	520e,j	----C	0.14i	**	*	< 0.080	---	---	---	---		
Phenanthrene	**	**	**	**	**	1.3	**	< 0.039	0.71	< 0.039	< 0.039	< 0.039		
Phenol	610,000b	----C	61,000b	----C	100	**	*	< 0.20	---	---	---	---		
Pyrene	61,000b	----C	61,000b	----C	21,000	1.9	*	< 0.039	2.7	< 0.039	< 0.039	< 0.039		
Pyridine	**	**	**	**	**	**	**	< 0.80	---	---	---	---		
1,2,4-Trichlorobenzene	20,000b	3,200d	2,000b	920b	53	**	*	< 0.20	---	---	---	---		
2,4,5-Trichlorophenol	200,000b	----C	200,000b	----C	1,400i	**	*	< 0.20	---	---	---	---		
2,4,6-Trichlorophenol	520e	390e	11,000e	540e	0.77i	**	0.66	< 0.20	---	---	---	---		

Part 742 Notes

\* indicates that the ADL is less than or equal to the specified remediation objective.

\*\* indicates that the value is not listed in TACO, Section 742, Table A or B.

V3 Table Notes:

0.11 Indicates exceedance of Tier 1 remediation objective

0.11 Indicates exceedance of Tier 1 Ind-Comm ingestion, but does not exceed background value

0.11 Indicates lab detection limit is greater than remediation objective

0.11 Indicates no Tier 1 remediation objective, but PNA has detection above background concentration.

--- Indicates chemical not analyzed or not sampled

See attached for notations for specified TACO RO.



**TABLE 3.2.3 - SOIL ANALYTICAL RESULTS (PCBs)  
FORMER CRAWFORD STATION - SOUTH SECTION  
3501 S. PULASKI  
CHICAGO, ILLINOIS**

	35 IAC Part 742, Appendix B, Tables A and B					V3		
	Exposure Route-Specific Values for Soils				Soil Component of the Groundwater Ingestion Route Values	Generating Plant	Jet Fuel AST/Peaker	
	Industrial-Commercial		Construction Worker			12/19/2018	03/19/2018	03/19/2018
						SS-GP-321 (1-3)	SS-GP-104 (1-3)	SS-GP-104 (3.5-5)
Chemical Name	Ingestion (mg/kg)	Inhalation (mg/kg)	Ingestion (mg/kg)	Inhalation (mg/kg)	Class II (mg/kg)	1-3 ft	1-3 ft	3.5-5 ft
						mg/kg	mg/kg	mg/kg
PCBs (Method - 8081/8082)								
Aroclor 1016 (Using value for PCBs) <sup>n</sup>	1 h	--c,h	1 h	--c,h	--h	< 0.096	< 0.089	< 0.10
Aroclor 1221 (Using value for PCBs) <sup>n</sup>	1 h	--c,h	1 h	--c,h	--h	< 0.096	< 0.089	< 0.10
Aroclor 1232 (Using value for PCBs) <sup>n</sup>	1 h	--c,h	1 h	--c,h	--h	< 0.096	< 0.089	< 0.10
Aroclor 1242 (Using value for PCBs) <sup>n</sup>	1 h	--c,h	1 h	--c,h	--h	< 0.096	< 0.089	< 0.10
Aroclor 1248 (Using value for PCBs) <sup>n</sup>	1 h	--c,h	1 h	--c,h	--h	< 0.096	< 0.089	< 0.10
Aroclor 1254 (Using value for PCBs) <sup>n</sup>	1 h	--c,h	1 h	--c,h	--h	< 0.096	< 0.089	< 0.10
Aroclor 1260 (Using value for PCBs) <sup>n</sup>	1 h	--c,h	1 h	--c,h	--h	< 0.096	< 0.089	< 0.10
Total PCBs = Sum of Aroclors	1 h	--c,h	1 h	--c,h	--h	ND	ND	ND

**Part 742 Notes**

\* indicates that the ADL is less than or equal to the specified remediation objective.

**V3 Table Notes:**

<b>0.11</b>	Indicates exceedance of Tier 1 remediation objective
0.11	Indicates lab detection limit is greater than remediation objective
---	Indicates chemical not analyzed or not sampled
ND	Indicates Non Detect
See attached for notations for specified TACO RO.	



TABLE 3.2.5 - SOIL ANALYTICAL RESULTS (INORGANICS)  
FORMER CRAWFORD STATION - SOUTH SECTION  
3501 S. PULASKI  
CHICAGO, ILLINOIS

Chemical Name	35 IAC Part 742, Appendix B, Tables A and B												V3															
	Exposure Route-Specific Values for Soils				Soil Component of the Groundwater Ingestion Exposure Route Values	A <sup>c</sup> Counties Within Metropolitan Statistical Areas <sup>b</sup> (For Inorganic Chem.in Background Soils) (mg/kg)	Soil Component of the Groundwater Ingestion Exposure Route Values ( <sup>c</sup> )						Generating Plant	Jet Fuel AST/Peaker														
							C <sup>c</sup> pH 6.65-6.89 for Groundwater Ingestion Class II Groundwater	C <sup>c</sup> pH 6.9-7.24 for Groundwater Ingestion Class II Groundwater	C <sup>c</sup> pH 7.25-7.74 for Groundwater Ingestion Class II Groundwater	C <sup>c</sup> pH 7.75 - 8.24 for Groundwater Ingestion Class II Groundwater	C <sup>c</sup> pH 8.25 - 8.74 for Groundwater Ingestion Class II Groundwater	C <sup>c</sup> pH 8.75 -9.0 for Groundwater Ingestion Class II Groundwater		12/19/2018 03/19/2018 03/19/2018 03/20/2018 03/20/2018 03/20/2018 03/20/2018														
	Industrial-Commerical	Construction Worker	SS-GP-321 (1-3)	SS-GP-104 (1-3)									SS-GP-104 (3.5-5)	SS-GP-106 (6-8)	SS-GP-107 (6-8)	SS-GP-108 (2-4)	SS-GP-109 (1.5-3)											
																		Ingestion	Inhalation	Ingestion	Inhalation	1-3 ft	1-3 ft	3.5-5 ft	6-8 ft	6-8 ft	2-4 ft	1.5-3 ft
INORGANICS (Method - 6010B/7000A) Metals (Totals)																												
Aluminum	**	**	**	**		9,500	N/A	N/A	N/A	N/A	N/A	N/A	13000	---	---	---	---	---										
Antimony	820b	----c	82b	----c		4	20	20	20	20	20	20	< 2.1	---	---	---	---	---										
Arsenic <sup>Ln</sup>	13t	1200e	61b	25,000e		13	120	120	120	130	130	130	7.4	4.9	9.4	9.1	5.6	15	12									
Barium	140,000b	910,000b	14,000b	870,000b		110	1,600	1700	1800	2,100	---a	---a	51	90	29	48	64	74	100									
Beryllium	4,100b	2,100e	410b	44,000e		0.59	7,900	17,000	130,000	1,000,000	---a	---a	0.74	---	---	---	---	---	---									
Cadmium <sup>Ln</sup>	2,000b,r	2,800e	200b,r	59,000e		0.6	75	110	590	4,300	---a	---a	< 0.53	< 0.51	< 0.57	< 0.54	< 0.51	0.71	0.78									
Calcium <sup>n</sup>	----g	----c	----g	----c		9,300	N/A	N/A	N/A	N/A	N/A	N/A	69000	---	---	---	---	---	---									
Chromium, total	6,100b	420e	4,100b	690e		16.2	N/A	N/A	N/A	N/A	N/A	N/A	25	24	18	27	32	24	27									
Chromium, ion, hexavalent	6,100b	----c	4,100b	690b		-	No Data	No Data	No Data	No Data	No Data	No Data	---	---	---	---	---	---	---									
Cobalt	120,000b	----c	12,000b	-----c		8.9	N/A	N/A	N/A	N/A	N/A	N/A	13	---	---	---	---	---	---									
Copper <sup>n</sup>	82,000b	----c	8,200b	----c		19.6	130,000	200,000	330,000	330,000	---a	---a	31	---	---	---	---	---	---									
Cyanide (amenable)	41,000b	----c	4,100b	----c		0.51	120	120	120	120	120	120	0.44	---	---	---	---	---	---									
Iron	----c	----c	----c	----c		15,900	N/A	N/A	N/A	N/A	N/A	N/A	27000	---	---	---	---	---	---									
Lead	800y	----c	700y	----c		36	1,420	1420	1420	1420	1420	3,760	18	57	14	23	15	33	30									
Magnesium <sup>n</sup>	----g	----c	730,000	----c		4,820	N/A	N/A	N/A	N/A	N/A	N/A	33000	---	---	---	---	---	---									
Manganese	41,000b, w	91,000b	4,100b, w	8,700b		636	N/A	N/A	N/A	N/A	N/A	N/A	440	---	---	---	---	---	---									
Mercury <sup>Ln,s</sup>	610b	16b	61b	0.1b		0.06	10	16	32	40	---a	---a	< 0.022	0.12	0.025	0.030	0.032	0.082	0.069									
Nickel <sup>l</sup>	41,000b	21,000e	4,100b	440,000e		18	2,600	3,500	14,000	76,000	---a	---a	39	---	---	---	---	---	---									
Potassium <sup>n</sup>	----g	----c	----g	----c		1,268	N/A	N/A	N/A	N/A	N/A	N/A	3000	---	---	---	---	---	---									
Selenium <sup>Ln</sup>	10,000b	----c	1,000b	----c		0.48	5.2	4.5	3.3	2.4	1.8	1.3	< 1.1	< 1.0	< 1.1	< 1.1	< 1.0	< 1.1	< 1.0									
Silver	10,000b	----c	1,000b	----c		0.55	N/A	N/A	N/A	N/A	N/A	N/A	< 1.1	< 1.0	< 1.1	< 1.1	< 1.0	< 1.1	< 1.0									
Sodium <sup>n</sup>	----g	----c	----g	----c		130	N/A	N/A	N/A	N/A	N/A	N/A	290	---	---	---	---	---	---									
Thallium	160b,u	----c	160b,u	----c		0.32	28	30	34	38	44	49	< 1.1	---	---	---	---	---	---									
Vanadium	14,000b	----c	1,400b	----c		25.2	N/A	N/A	N/A	N/A	N/A	N/A	27	---	---	---	---	---	---									
Zinc <sup>c</sup>	610,000b	----c	61,000b	----c		95	12,000	15,000	32,000	110,000	---a	---a	60	---	---	---	---	---	---									
MERCURY SPECIES FRACTIONATION (Method 7470A/7471B)																												
Extractable Mercury													---	---	---	---	---	---	---									
Semi-mobile Mercury	610b	16b	61b	0.1b									---	---	---	---	---	---	---									
Non-mobile Mercury													---	---	---	---	---	---	---									
SPLP INORGANICS (Method - 1312/7421)													mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L									
SPLP Arsenic <sup>Ln</sup>					0.2m								---	---	---	---	---	---	---									
SPLP Chromium					1.0m								<0.004	---	---	---	---	---	---									
SPLP Cobalt					1.0m								---	---	---	---	---	---	---									
SPLP Lead					0.1m								---	---	---	---	---	---	---									
SPLP Manganese					10.0m								---	---	---	---	---	---	---									
SPLP Mercury <sup>Ln,s</sup>					0.01m								---	---	---	---	---	---	---									
SPLP Selenium <sup>Ln</sup>					0.05m								---	---	---	---	---	---	---									
TCLP INORGANICS (Method - 3015/6010B/7000A)				RCRA Toxicity Characteristic Level (mg/L)									mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L									
TCLP Aluminum [NT]				---	5								---	---	---	---	---	---	---									
TCLP Iron				---	5.0m								---	---	---	---	---	---	---									
TCLP Lead			5.0		0.1m								---	---	---	---	---	---	---									
Other Parameters																												
pH@ 25°C (1:10)													8.3	9.31	7.36	7.53	7.67	7.49	7.54									

Part 742 Notes

\* Indicates that the ADL is less than or equal to the specified remediation objective.

\*\* Indicates that the value is not listed in TACO, Section 742, Table A or B.

N/A N/A means Not Applicable

---a No data available for this pH range

V3 Table Notes:

0.11 Indicates exceedance of Tier 1 remediation objective

0.11 Indicates lab detection limit is greater than remediation objective

0.11 Indicates exceedance of RCRA Toxicity Characteristic Level

--- Indicates chemical not analyzed or not sampled

See attached for notations .

[NT] [NT] indicates Non-TACO Chemical, some values are provisional objectives and are subject to change. Non-TACO Chemical Remediation Objectives are prepared by the IEPA Toxicity Assessment Unit.

Non-TACO values from <http://www.epa.illinois.gov/topics/cleanup-programs/taco/other-chemicals/index>

A<sup>c</sup> Section 742, Appendix A, Table G: Concentrations of Inorganic Chemicals in Background Soils

B<sup>c</sup> Counties within Metropolitan Statistical Areas (MSA): Boone, Champaign, Clinton, Cook, DuPage, Grundy, Henry, Jersey, Kane, Kankakee, Kendall, Lake, Macon, Madison, McHenry, McLean, Mendard, Monroe, Peoria, Rock Island, Sangamon, St. Clair, Tazewell, Will, Winnebago and Woodford.

C<sup>c</sup> Section 742, Appendix B, Table C-D: pH Specific Soil Remediation Objectives for Inorganics and Ionizing Organics for the Soil Component of the Groundwater Ingestion Route (Class I /II Groundwater)